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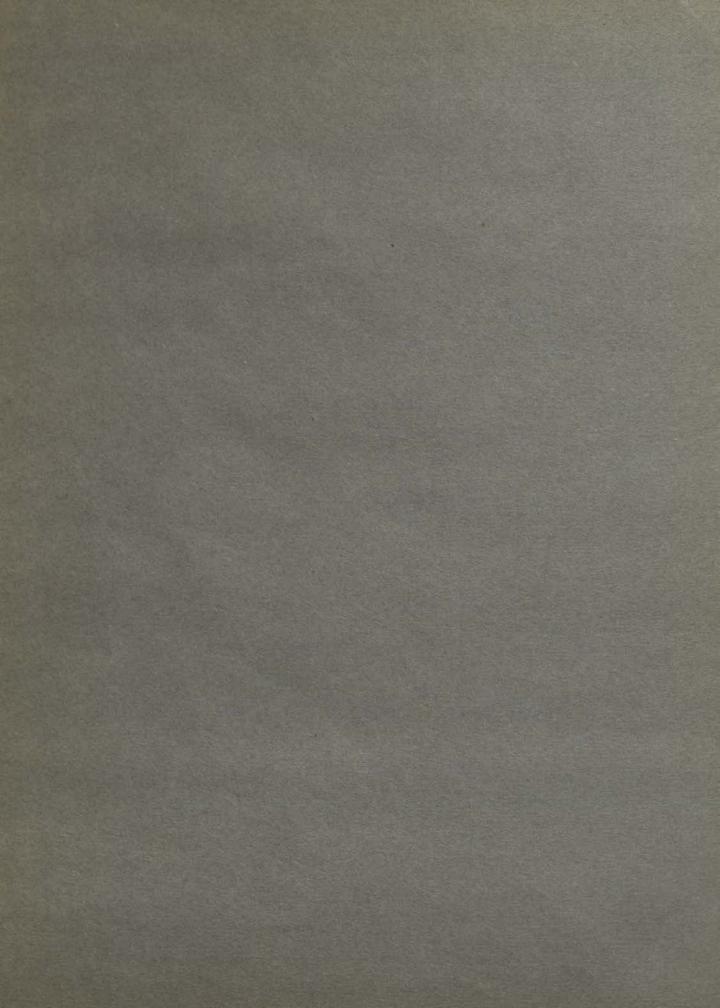
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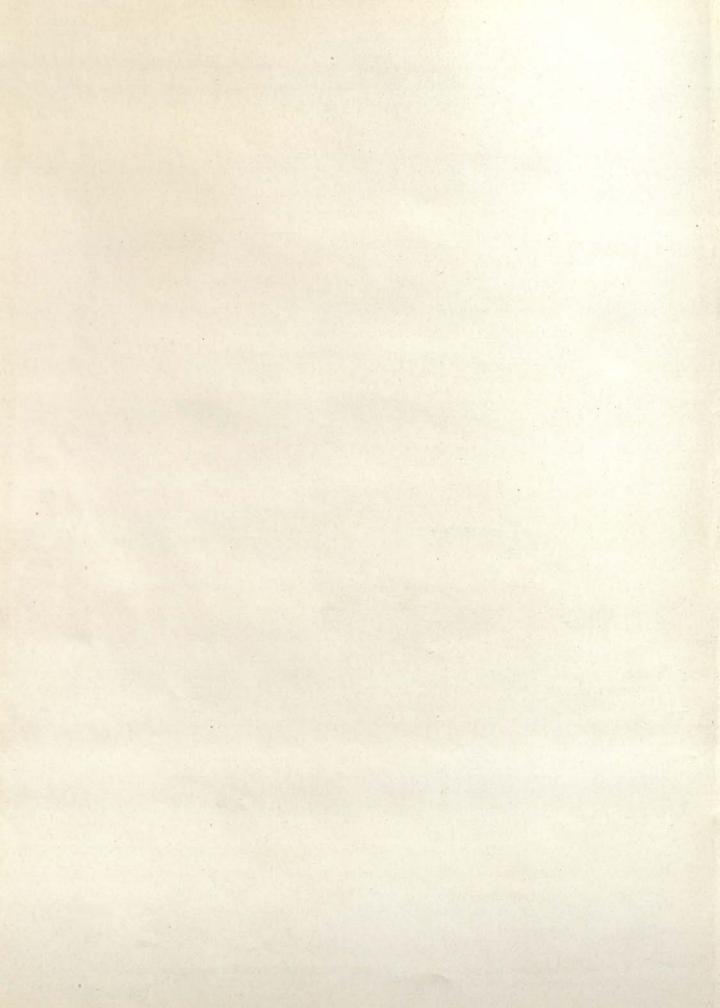
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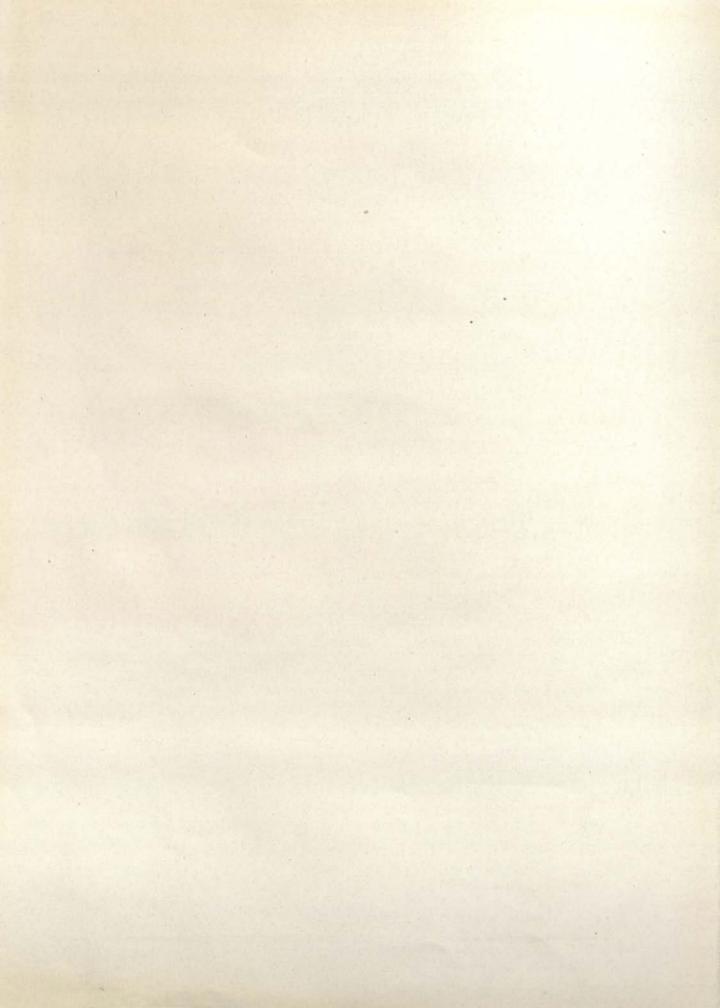




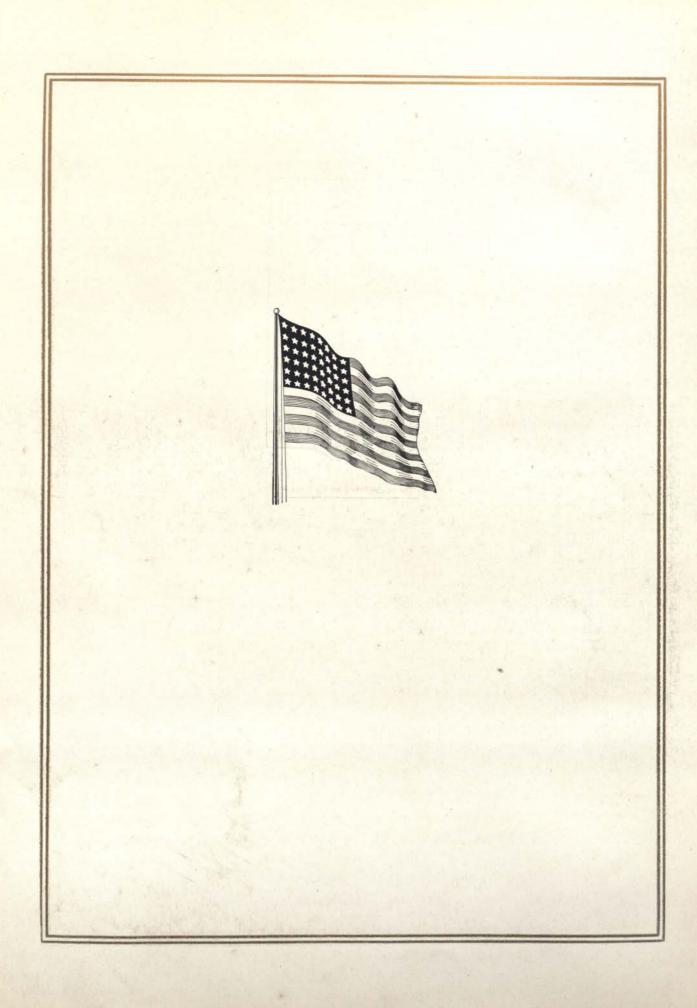
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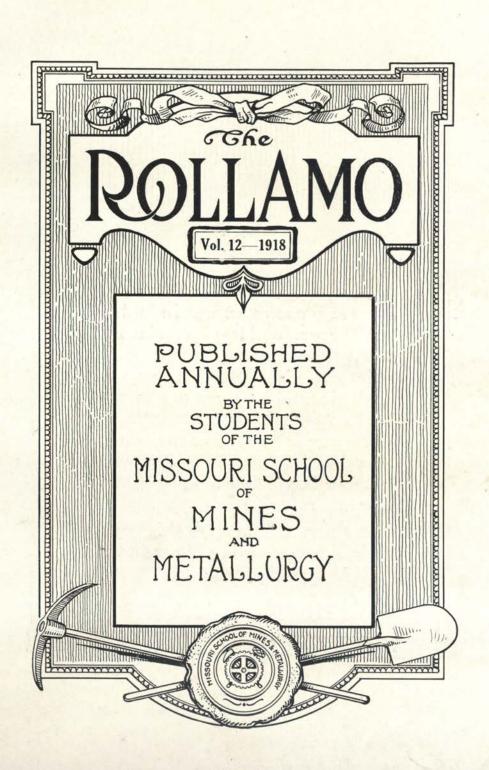


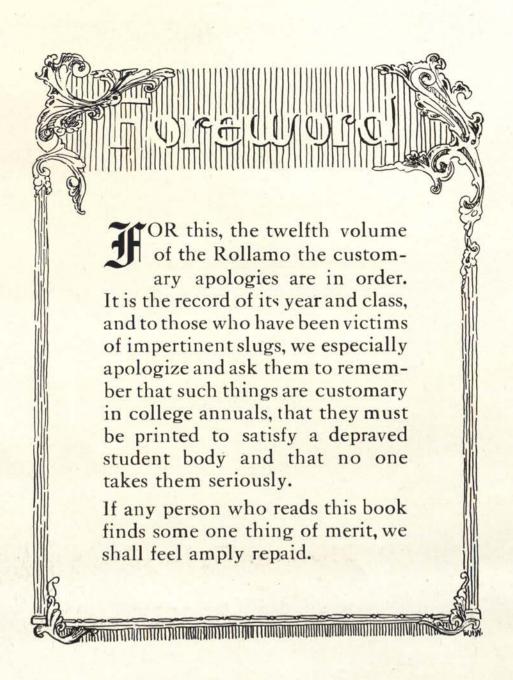


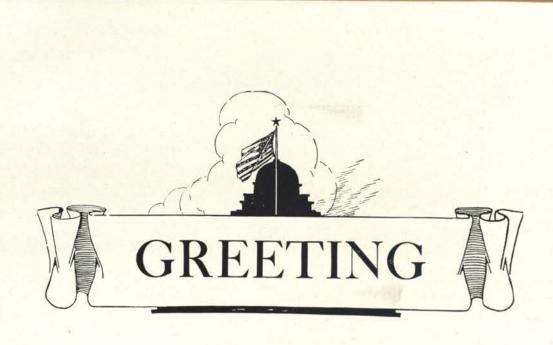


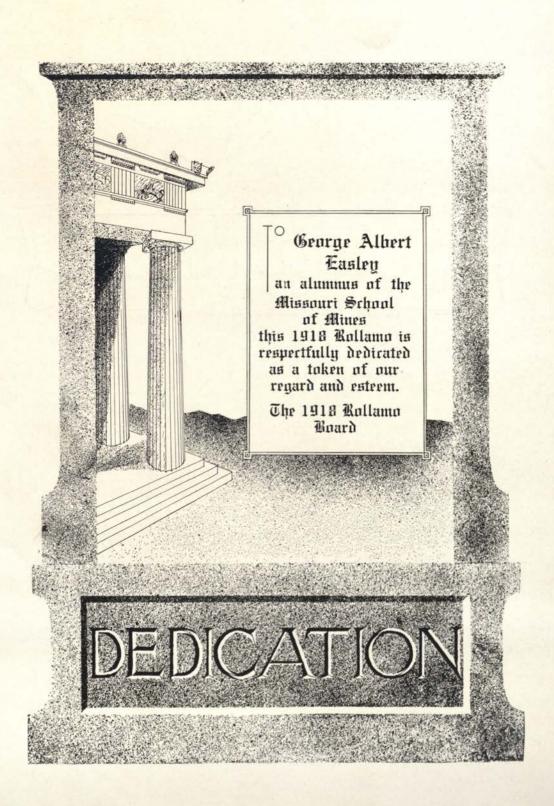






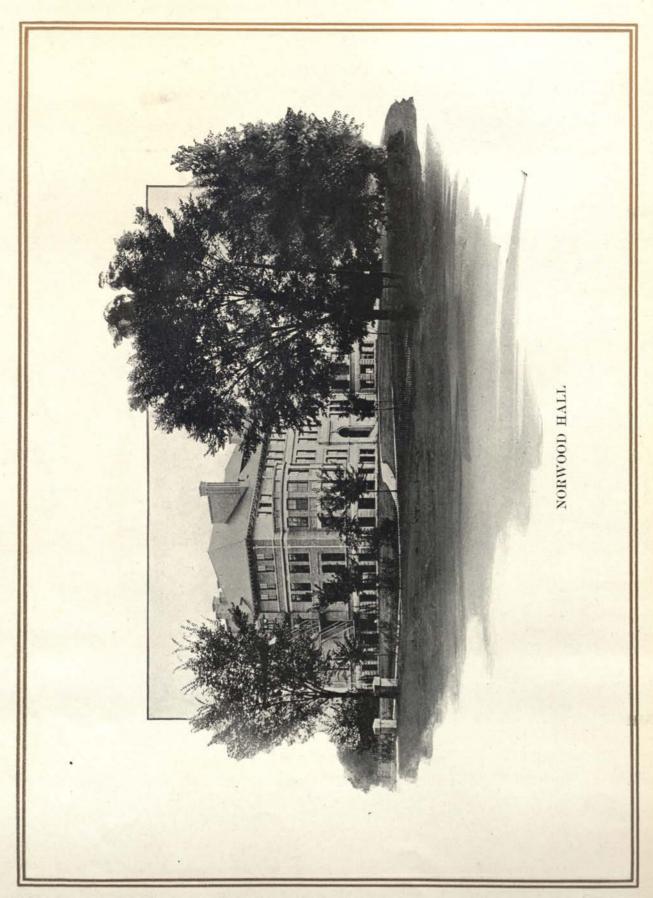


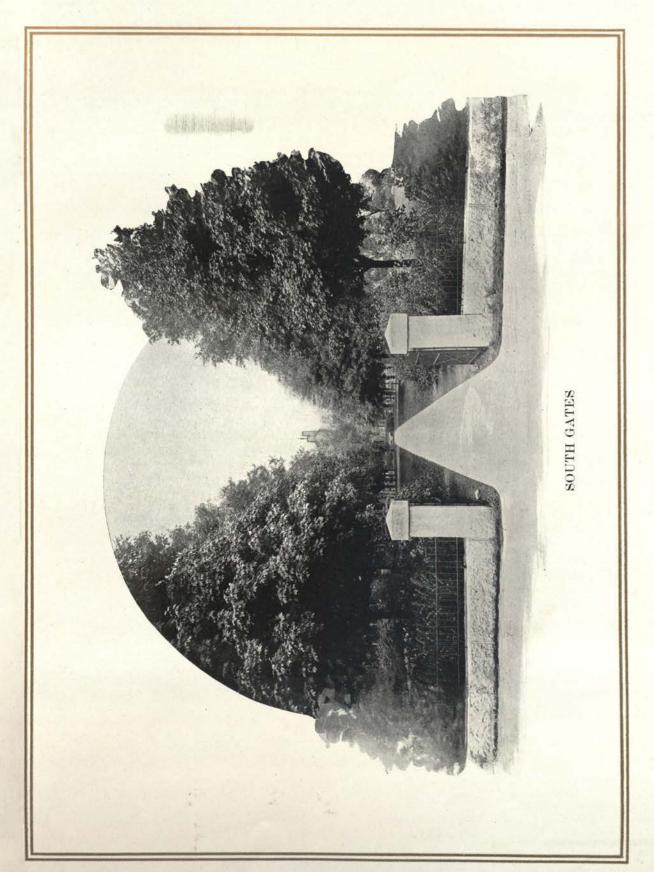


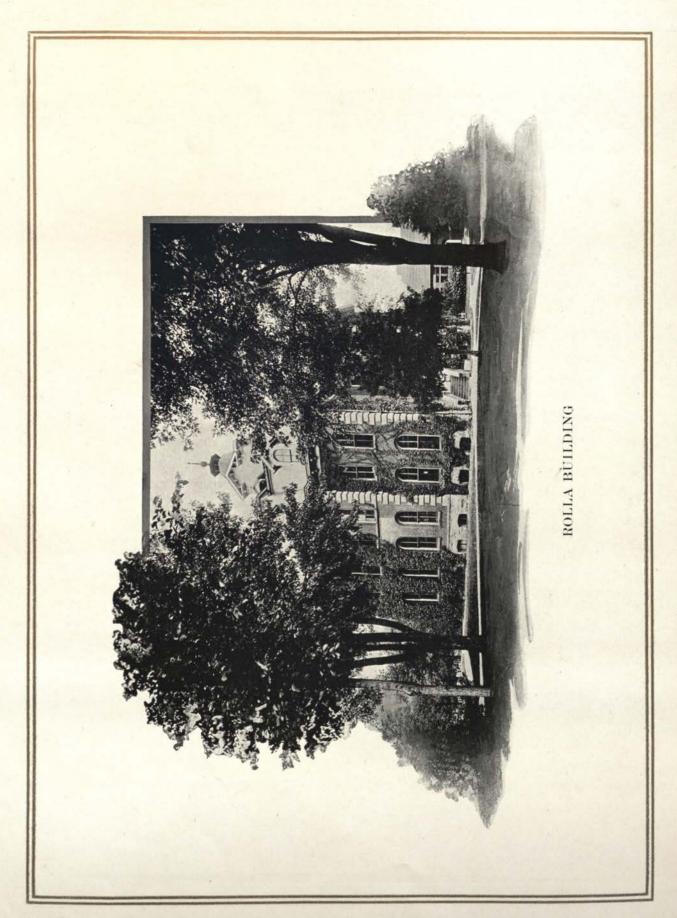




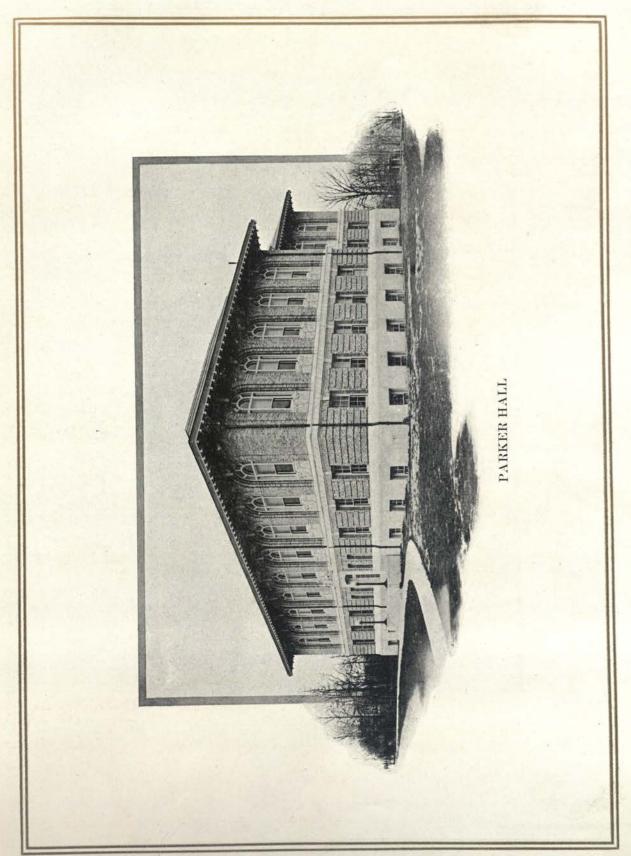
GEORGE ALBERT EASLEY

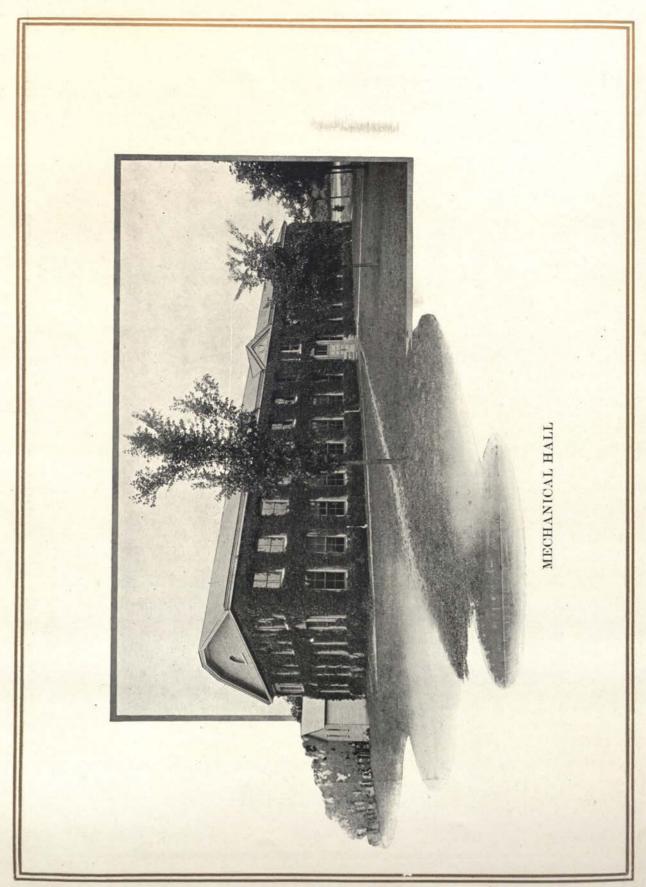




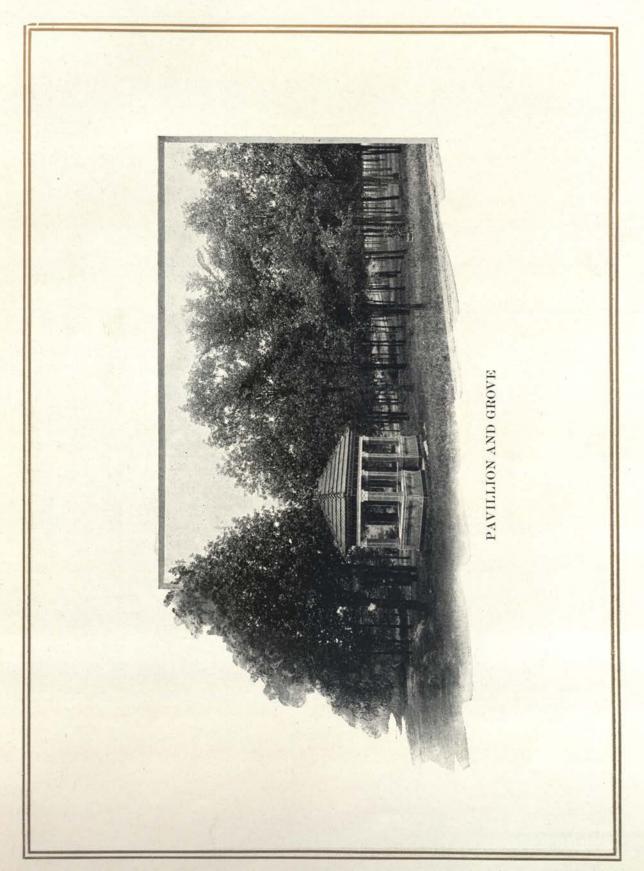


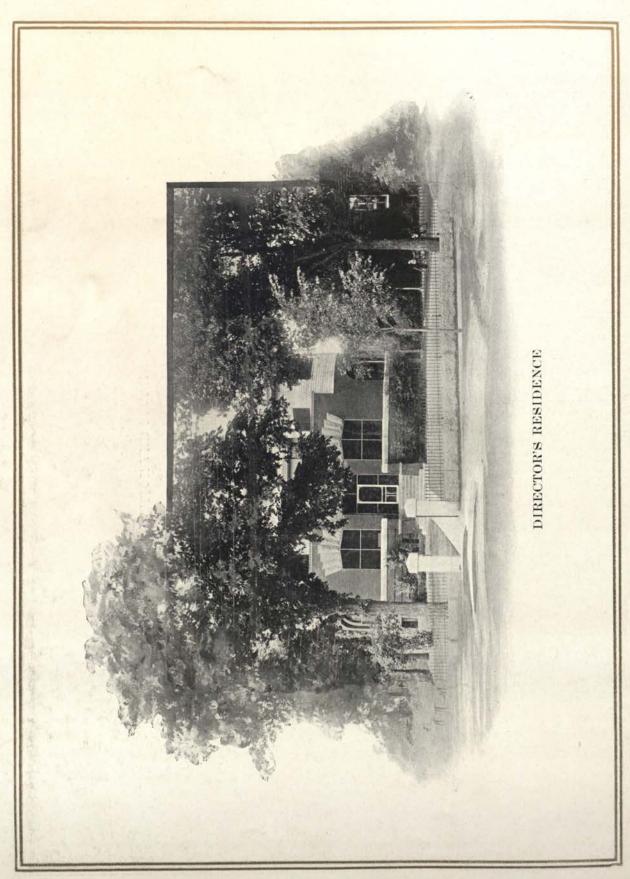
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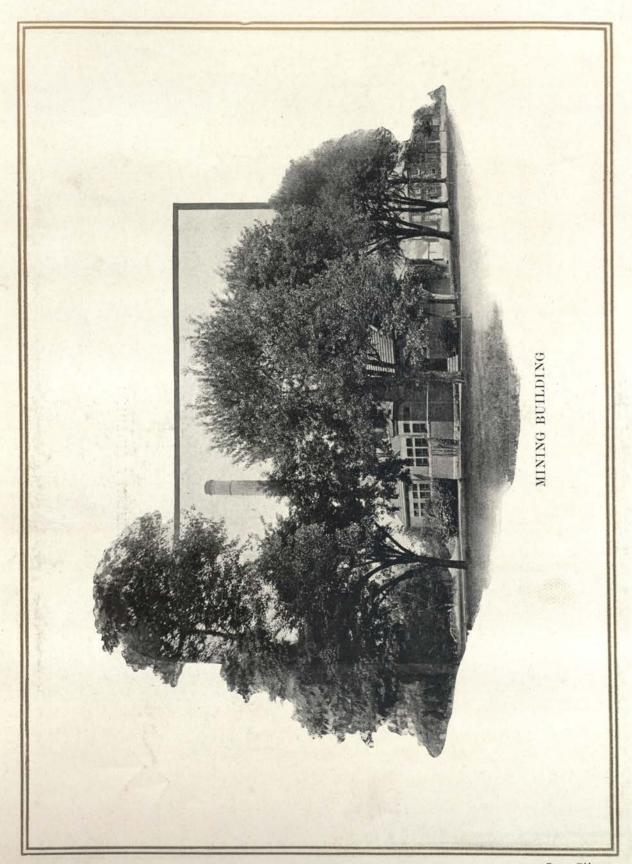


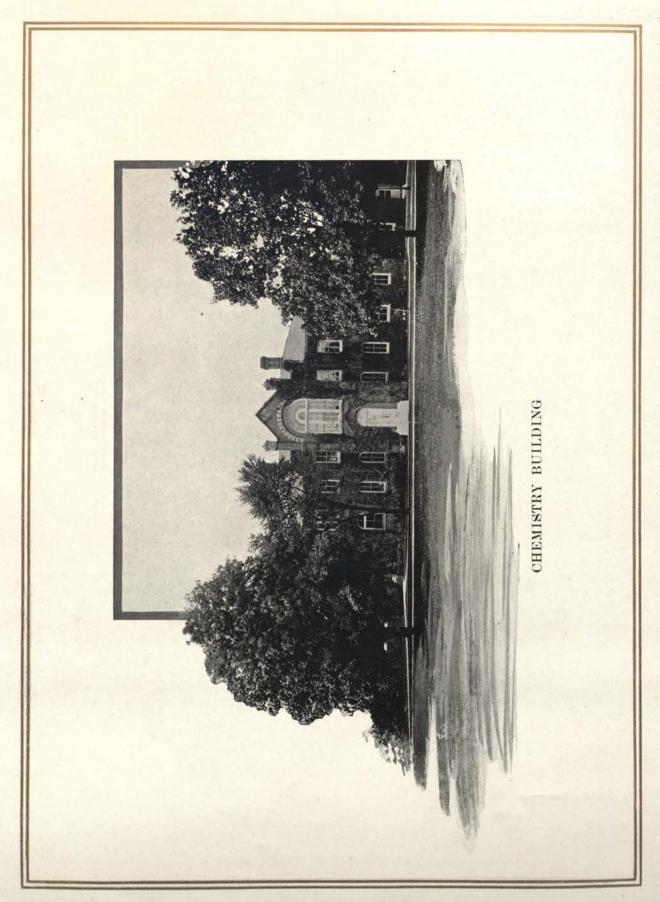


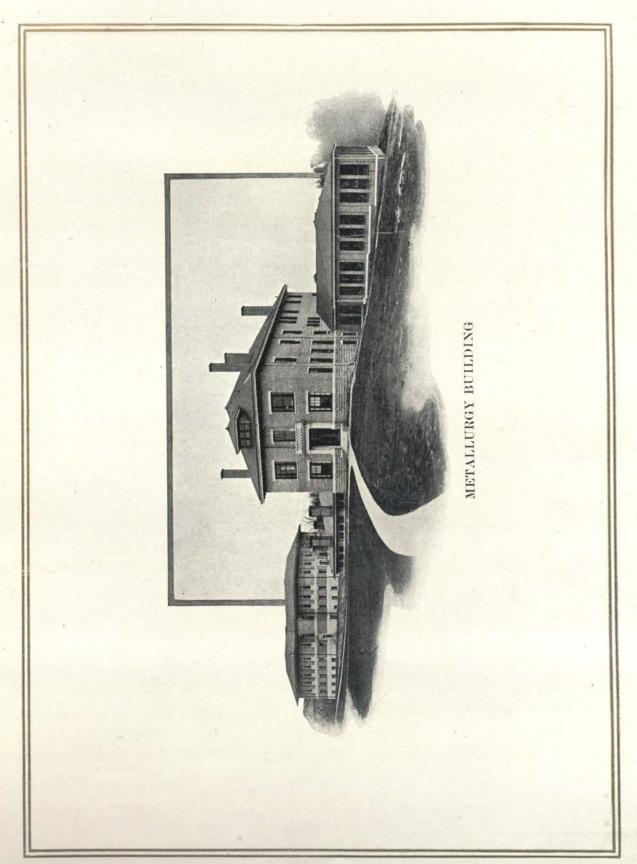
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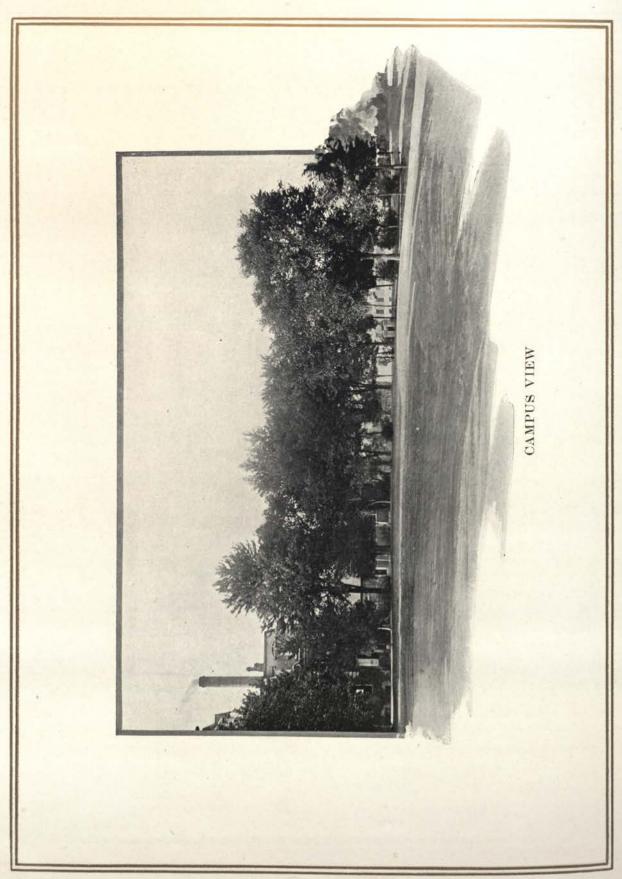




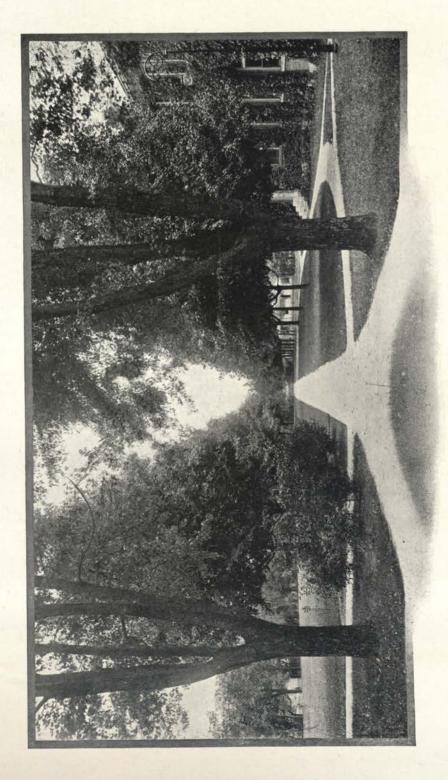


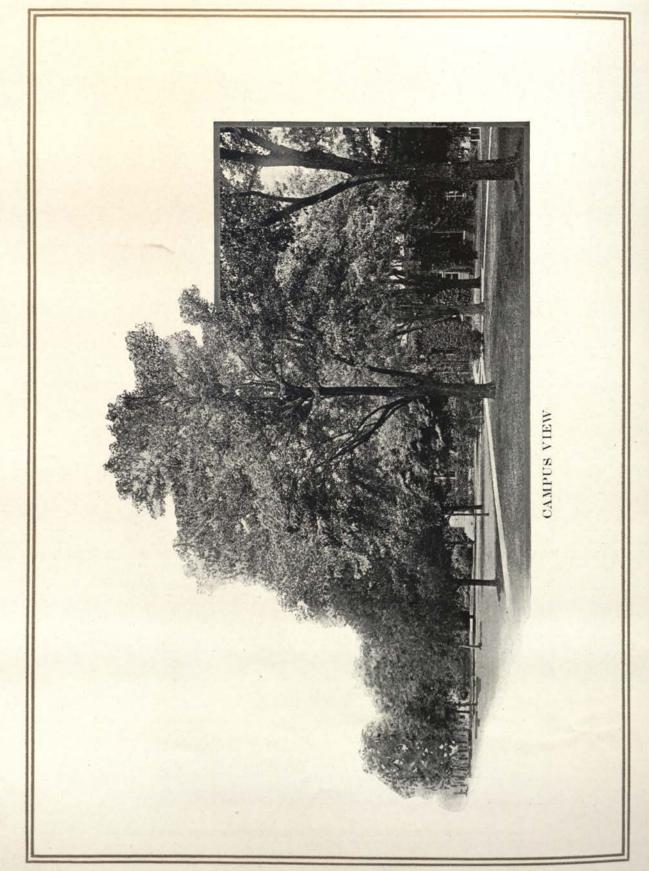




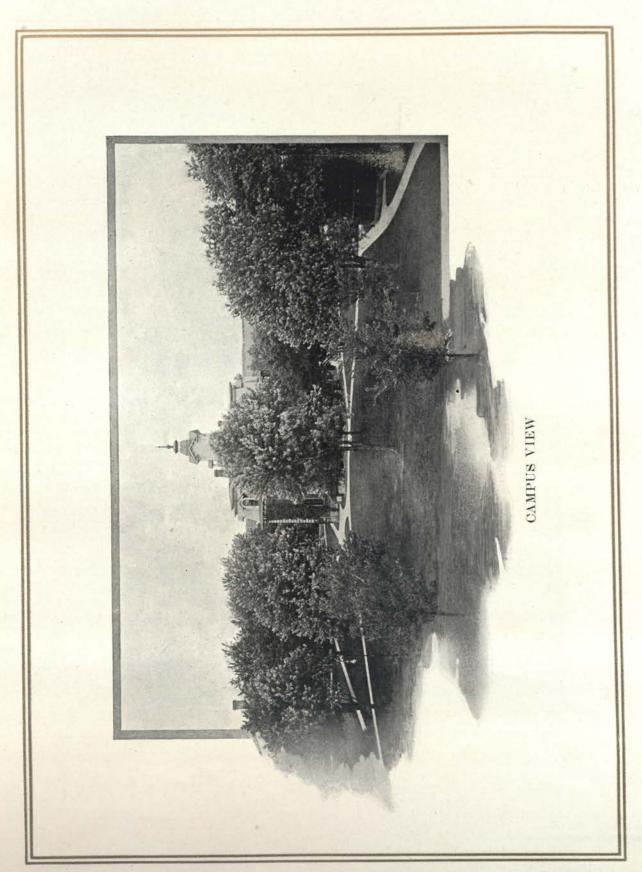


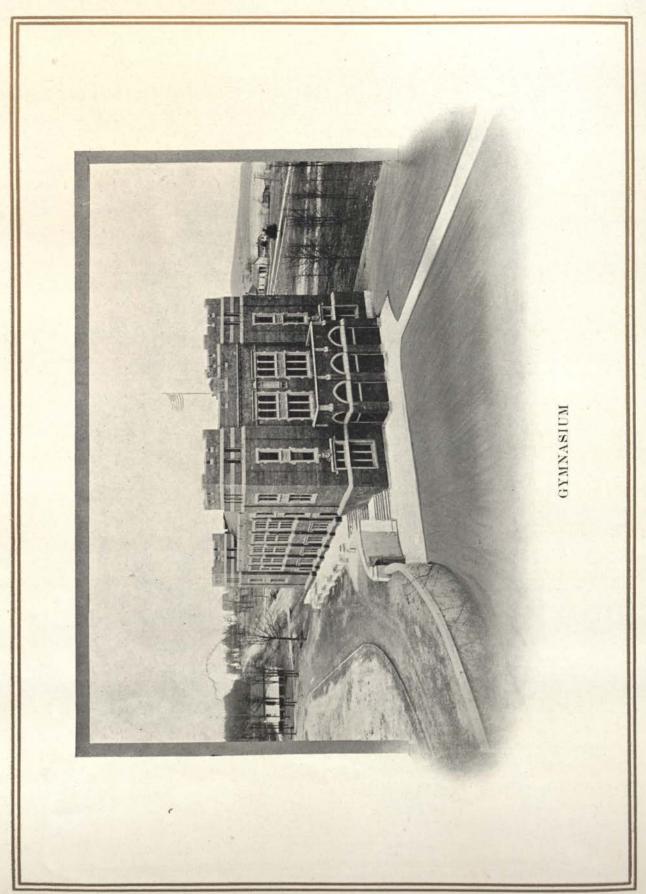
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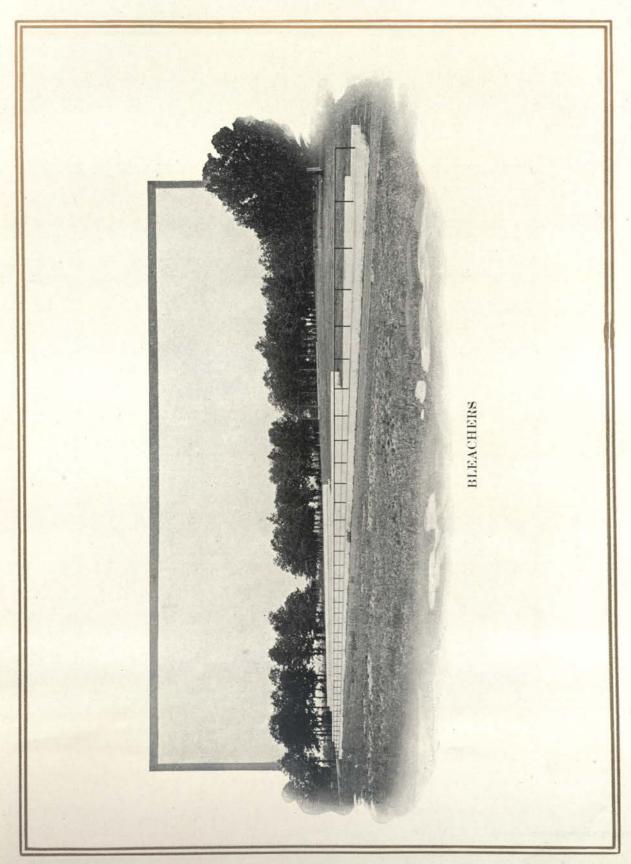


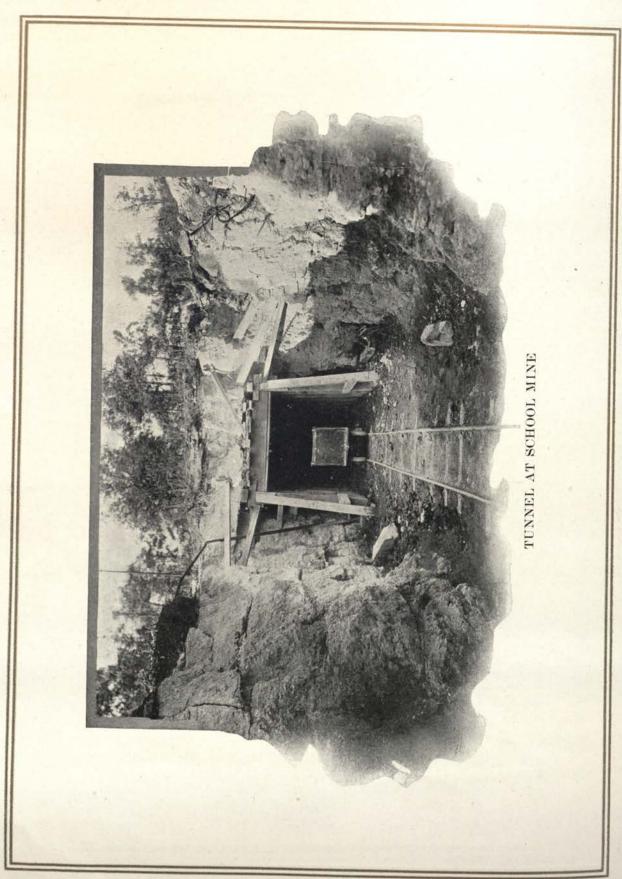
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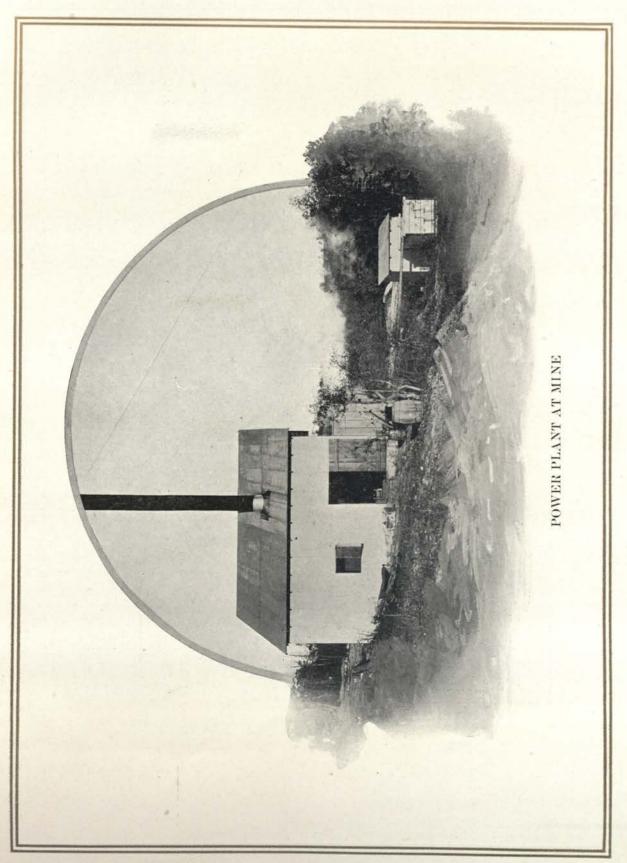


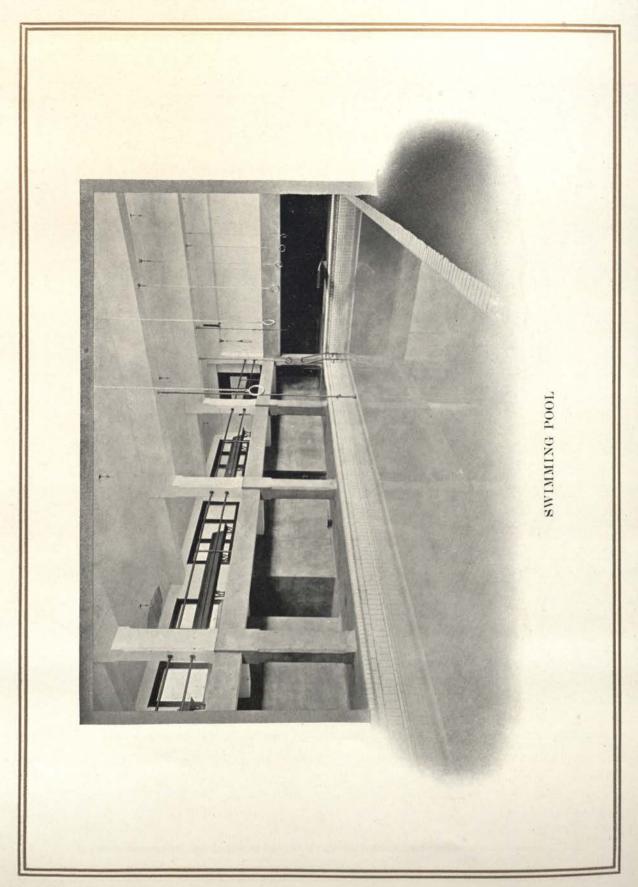


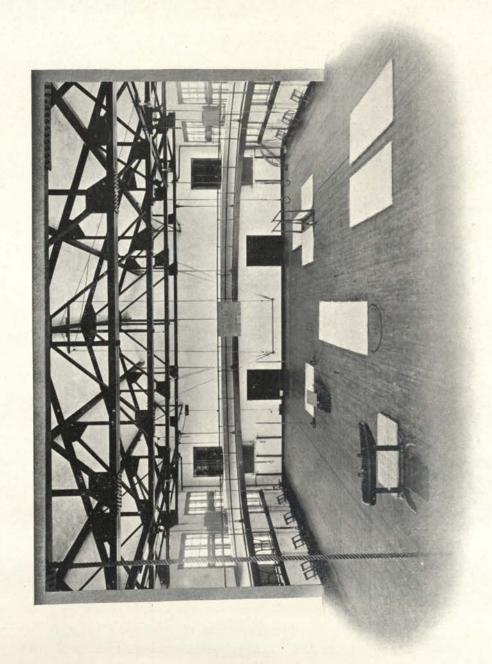
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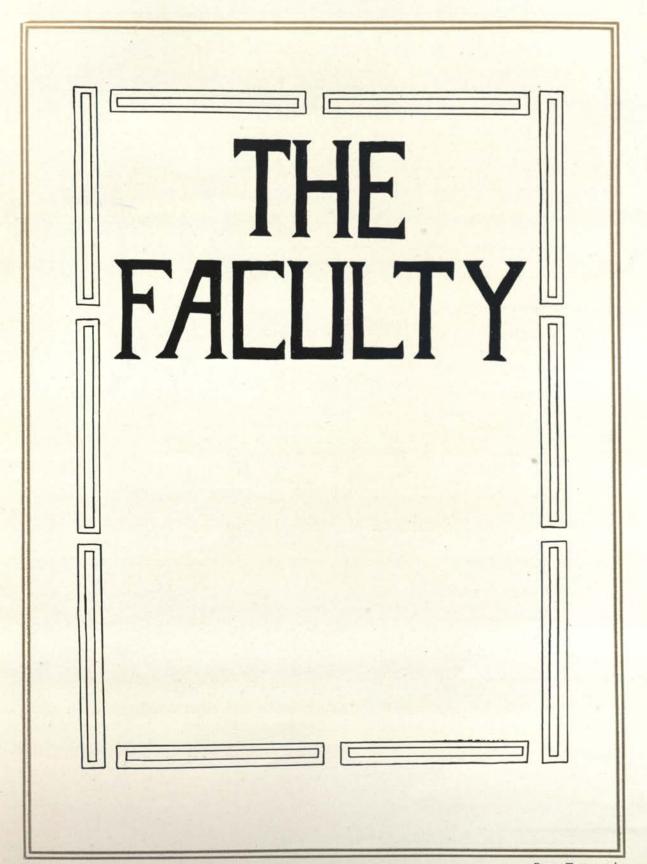












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B.S., University of Georgia, 1881; S.D., Harvard University, 1886; U. S. Signal Service, 1882-89; Assistant Professor of Physics; University of Missouri, 1889-91; Professor of Physics, Missouri School of Mines, 1891-94; Professor of Physics, University of Texas, 1894-96; Professor of Physics, Missouri School of Mines, 1899-1915; Director, Missouri School of Mines, 1915.



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Associate Professor of Metallurgy and Ore Dressing.



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Tau Beta Pi. Kappa Alpha.
Assistant Professor of Metallurgy and Ore Dressing.



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Tau Beta Pi.

Assistant Professor of Mathematics.



Joseph Henry Bowen
Assistant Professor of Mechanical Engineering.





Francis Potter Daniels, A.B., A.M., Ph.D. Phi Delta Kappa. Assistant Professor of Modern Languages.



Garrett A. Mullenburg, B.A., M.S. Assistant Professor of Geology and Mineralogy.



CHARLES LAURENCE DAKE, B.A.,
M.A.

Accacia. Gamma Alpha. Sigma
Xi.

Assistant Professor of Geology
and Mineralogy.



THOMAS THURMAN McConnell,
B.S.
Sigma Alpha Epsilon.
Director of Physical Training.



Harold Leslie Wheeler, A.B., B.L.S. Phi Kappa Psi. Librarian.

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Henry Horton Armsby, B.S., C.E. Sigma Nu. Instructor in Civil Engineering.



Van Buren Hinsch, B.S., E.M. Phi Delta Theta. Instructor in Mathematics.



WILLIAM DE GARMO TURNER, B.S., Ph.D. Sigma Xi. Assistant Professor of Chemistry.



Joseph Bryant Cole.
Grubstaker.
Instructor in Mechanical Engineering.





Neil Charles Hutsinpillar, B.A. Pi Kappa Alpha. Instructor in English.



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ROBERT RICHMOND DICKERSON Superintendent of Buildings and Grounds.

Faculty Members in U.S. Army

Edgar Scott McCandliss Captain and Regimental Topographer, 314th Engineers.



Frank Edward Dennie Captain, Co. C, 314th Engineers.



R. Stewart Lillard 1st Lieutenant, U. S. Engineers.



Carroll Ralph Forbes
Captain and Adjutant, 2d Battalion, 115th Engineers.



FLOYD HILL FRAME
1st Lieutenant, Ordnance Department.



Student Assistants

E. E. ASHLOCK

Student Assistant in Drawing

ROBERT BRUCE

Student Assistant in Gymnasium

E. BURKHART

Student Assistant in Civil Engineering, 1st semester

R. CHAVEZ

Student Assistant in Modern Languages, 1st semester

H. S. CLARK

Student Assistant in Geology and Mineralogy

L. E. DAVIDSON

Student Assistant in Des. Geometry, 2d semester

M. L. Dorris

Student Assistant in Gymnasium, 1st semester

R. J. Down

Student Assistant in Gymnasium

J. P. GILL

Student Assistant in Assaying

I. B. Johnston

Student Assistant in Gymnasium, 1st semester

F. A. KRAUSE

Student Assistant in Chemistry

O. N. Maness

Student Assistant in Mining and Metallurgy

G. E. MELLOW

Student Assistant in Mechanical Engineering, 2d semester

B. G. NICHOLS

Student Assistant in Chemistry

W. H. REBER

Student Assistant in Civil Engineering

M SHANKELD

Student Assistant in Geology and Mineralogy, 2d semester

T. A. STEVENS

Student Assistant in Gymnasium, 2d semester

R. O. SWAYZE

Student Assistant in Gymnasium, 2d semester

H. Weiser

Student Assistant in Chemistry

L. J. ZOLLER

Student Assistant in Geology and Mineralogy, 2d semester

W. C. ZEUCH

Student Assistant in Physics



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Senior Class Kistory



The memorial class of 1918 made its entrance into M. S. M. in September, 1914, with an enrollment of ninety men. Fate has decreed that only eighteen of these should receive their diplomas for graduation this spring.

This is the first real war-time class to graduate in Rolla. Twenty-five of our best men are "with the colors." Many others have already made application for various branches of the Service.

Eight of the squad men on the even famous 1914 Championship gridiron team were members of '18.

This natural ability for leadership has made itself evident in the army and navy where most of our former classmates in the Service are now officers.

The class of '18 was the honored class by being allowed to make their senior trip with the biggest mining men in the world. The American Institute of Mining Engineers' trip which started in St. Louis and took in the best of mining operations in Missouri, Kansas and Oklahoma, will long be remembered by all who were fortunate enough to take it and will be envied by many classes which will not have such an opportunity.

The Senior banquet was undoubtedly the biggest and best thing the class ever did. It was an event which all will always remember and one which will in the future link every member of this wonderful class a little closer and be a cause never to forget one another in future years.

EDGAR CARL MORITZ BURKHART

Civil Engineering

Tau Beta Pi, Lambda Chi Alpha.

Burk returned to school with a wife this year, but still found time to mingle with the boys. Evidence—Senior party.

RAUL CHAVEZ

Mine Engineering

A. I. M. E., Prospector.

How many revolutions per minute? Ask Raul, he's from Mexico, the birth place of revolutions.

HOWELL SMITH CLARK

Metallurgy

Tau Beta Pi Satyr, Pi Kappa Alpha.

The Von Hindenburg of the M. S. M. army. The freshmen soon become pacifists under the Captain's iron discipline.

HENRY WILLIAM DOENNECKE

Metallurgy

A. I. M. E., Tau Beta Pi Satyr, Bonanza.

Henry believed that every professor is wrong until proven right.

JOSEPH BENJAMIN DUGA

Mine Engineering

A. I. M. E., Prospector.

The American "U"-boat-used Starkey for a periscope.





JEROME EMERSON FLANDERS

Mine Engineering

A. I. M. E., Kappa Sigma.

"Germany" won fame by heroic conduct at several fires last year.

FRANCIS HODGSON GEIB

Mine Engineering

Pipe and Bowl, Satyr, Miner Board, Theta Tau, A. I. M. E. Prospector, Sigma Alpha Epsilon.

"John" don't know what M. S. M. will do when he leaves to whip the Kaiser.

LEON HARRISON GOLDMAN

Chem. Engineering

Met. and Chem. Society, Bonanza.

"Mike" hopes to rival George Cohen some day in theatrical glory.

ANTHONY FRANK GOLICK

Metallurgy

Sigma Nu, Met. and Chem. Society, M. Baseball, '16.
Tony helped the Frisco out of insolvency. He now has a boss.

OSCAR GOTSCH, JR.

Mine Engineering

Grubstakers, A. I. M. E., Mining Association, Rollamo, '18.

"Graflex" loves his "eats." He also digs, but starves without pretzels.

KNUD FABRICUS HANSEN Metallurgy

Bonanza, Mining Association, Met. and Chem. Soc'n., A. I. M. E., Tau Beta Pi.

"George" has the degree of Cand. Phil. from the University of Copenhagen. Nuff sed.

EARL ROSS HOUSHOLDER Mine Engineering

Beanery, Prospectors, President Mining Association, A. I. M. E., Rollamo '17, Theta Tau.

"The Dog" is one of the Gold Dust Twins, but he deals in luck. Come from Case three years ago.

ORIE NEWELL MANESS Mine Engineering

Bonanza, Theta Tau, Mining Association, A. I. M. E., M in Football '16, Senior Class President, Rollamo Board '18.

"Freshman" has a "toothbrush" and a vocabulary, and almost is a professor. "See Bill Durning."

GEORGE MELLOW

Mechandical Engineering

Kappa Alpha, Junior American Society at Mechanical Engineers.

"Flossie" is one of our stars, but he came here from the dark.

JOHN MUNSON MORRIS Mine Engineering

Sigma Nu, Pipe and Bowl, A. I. M. E., Mining Ass'n. "Razorback" is an incurable fusser. Also shark in Descrip.





FELIPSE BUENAVENTURA ORE

Mine Engineering

Grubstakers, Mining Association, A. I. M. E. "Irish" has attended La Escuela Lecnica de Connercio away down in wonderful Peru.

WILLIAM CLARK POWELL

Mine Engineering

Sigma Nu, Mining Association, A. I. M. E., Pipe and

"Pete" never has been outside of Rolla, but Westing-house is rushing him.

WILLIAM HOUSTON REBER

Mine Engineering

Kappa Sigma, Mo. Mining Association, A. I. M. E., Miner Board '16-'17, Student Council '17-'18, Rollamo Board '18; Satyr.

"Bill" divides his attentions between the surveying department and the Rollamo. Is very fond of the Four Hundred.

MICHAEL SHANFELD

Metallurgy

Tau Beta Pi, A. I. M. E., Prospector, Mo. Met. Society. "Mike," another product of the big city, initiates the Sophs into the guessing contest called Mineralogy.

HORACE REYNOLDS STAHL

Metallurgy

Engineers, A. I. M. E.

"Pete" hails from Quincy, Ill., and frequently demonstrates his ability to "tickle the ivories." Is noted for his entertaining stories.

ALVAN CHAPMAN STARKEY Mine Engineering

A. I. M. E.

The "long boy" came to us from the Colorado School of Mines and is fond of telling how they do it at Golden.

RAYMOND SAMUEL WEIMER Mine Engineering

Grubstaker, A. I. M. E., Theta Tau. "Judge" wears one of the noted "tooth brushes" and is a chip off the old block.

ELDRED DEWEY WILSON General Science

Independents, Met. and Chem. Society, Mo. Mining Association.

"Woodrow" is a product of the Ozarks, claiming Rolla as his residence. Always attends mass-meetings and Senior parties.

WALTER CHARLES ZEUCH Civil Engineering

Pi Kappa Alpha, Trowel Club. Hails from the big city east of here and is Blackwood's able assistant. Made his "M" in baseball.

LAWRENCE JOSEPH ZOLLER Mine Engineering

A. I. M. E., Kappa Sigma. Knows the geology of Oklahoma by heart.





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Junior Class History



Our class returned to school last fall sadly diminished in numbers owing to the war, but those coming back came back eager and willing to take up the burden of showing the world and the other classes how to make the best of anything anytime. No setback has ever been able to hold the Class of 1919 down for very long.

We must pay tribute to those of our classmates who failed to return last fall owing to the fact that grim Mars has called them to be "the men behind the guns" or the "men behind the men behind the guns." Twenty-six of them are represented by stars in the service flag of M. S. M. Many more stars will need be added before the war is over in memory of those of us who signed up last fall. Many stars have been added for those who started out with us on this, the third, triumphant year of the class existence. Among them is one for the first president we elected last fall, Robert Marston.

The class as usual has been strong in athletics. Bruce was captain of the football team and there were four other '19 men on the team. Over half of the basketball team were Juniors and "Scotty" was captain. Some of the best men in track and baseball also came from our class.

We celebrated our first fall as upper classmen by assisting at the annual pink tea (?) of the Sophomores and Freshmen.

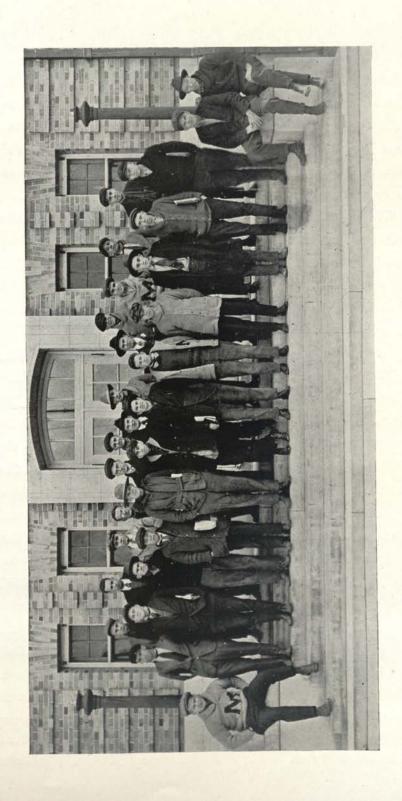
General Met., General Geology, and Hydraulics kept us down and gasping for air all year.

After months of mental and financial strain, a St. Pat's celebration was put on by the class that maintained the high standard set by previous Juniors.

The class banquet was "some" banquet, as usual, and will linger long in the memories of those who were present, as one of the best banquets ever put on at M. S. M.

The class as a whole and individually has always taken a foremost part in school activities. Nothing that was for the benefit of M. S. M. and her future was ever too hard or too tiresome for members of the class to get behind and push. Wherever a tireless worker was needed, there would be found a swarm of '19 men clamoring to aid school activities. Class spirit makes for school spirit, and that is where the class of 1919 has always been strong. "Our school! May she ever be right; but Our School, right or wrong."

Before the beginning of another school year, when those who return will be grave and reverend seniors, many of us will have joined the ranks of those who are already actively fighting for our country and for democracy. The fondest memories we will take into the trenches will be those memories of M. S. M. school days and the friendships that were fostered in the peaceful Ozark country. Those who return will return eager to make the closing year of the four years' history of the class even greater than the three just completed, as a fitting climax to one of the best classes ever produced at M. S. M., the Class of 1919. Hats off!!!



Juniors

Ashlock, Evan Earl St. Louis, Mo.
Benton, Louis Brent Ft. Worth, Tex.
Bruce, Robert Wellington, Kans.
Cole, Joseph Bryant Rolla, Mo.
Decker, Ernest Ethridge Tulsa, Okla.
Bowd, Raymond John St. Louis, Mo.
Durning, William Clarence St. Louis, Mo.
Eulich, Artileus Vosteen St. Joseph, Mo.
Gill, James Pressley Montgomery City, Mo.
Goldsmith, Oscar Dallas, Tex.
Harris, Harold Shelton Morley, Mo.
Hurd, Harold Walter Paris, Mo.
Krause, Frederick Arthur St. Louis, Mo.
Lottmann, Walter Frederick St. Louis, Mo.
Marston, Robert L El Paso, Tex.
Miller, Edwin Lawrence, Jr Kansas City, Mo.
Moore, Fred Vail
Morris, Thomas Carson Farmington, Mo.
McCarthy, Meryl Bowling Green, Mo.
McKinley, Lionel William Willma, Minn.
Nichols, Benjamin Guthrie East St. Louis, Ill.
Niece, William Latchaw
Oyler, William Ellsworth Brookfield, Mo.
Petsch, Arthur Henry Lexington, Mo.
Pryor, George Willis Bethany, Mo.
Scott, James Walter Rolla, Mo.
Scruby, Horace Dwight Chillicothe, Mo.
Shore, Harold Frank
Weiser, Hanley Webster Groves, Mo.
Wilkinson, Paul DeLasson St. Louis, Mo.
Wilson, Kenneth Campbell Globe, Ariz.



Sophomore Class History

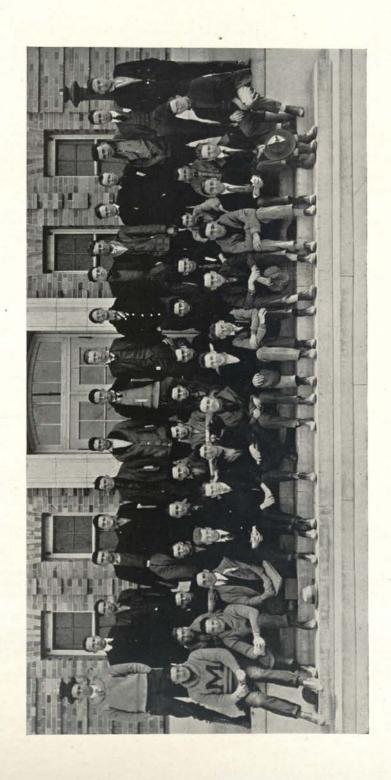


It was with many contemplated acts of vengeance that the members of the sophomore class arrived in Rolla in September. But with the combined efforts of the faculty and student council the well meaning plans of the class, in their attempts to welcome the freshmen and make their acquaintance with the various precedents of the school, were frustrated. It was not without misgiving that a royal welcome was intercepted because a well "trained" freshman class bids fair for a class imbued with pep, a factor which has been conspicuous for its absence throughout the student body. Green Cap Day, that day of terror following the night that was filled for the freshmen with the fordoings of the morrow saw as it should see, the sophomores carry their banner to vicinity over the primative efforts of the new comers.

During the week the class reorganized, elected its officers for the year and arranged the smoker at which it entertained the school on the evening of Green Cap Day. The class roll was not, as might well be expected, as large as it had been the previous year; for the sophomores had contributed their share of men to the country's cause. The men at school, with the freshmen entered upon the course of military drill that they might be better prepared when the country should need their services. During the year many men have left to enter both the ranks.

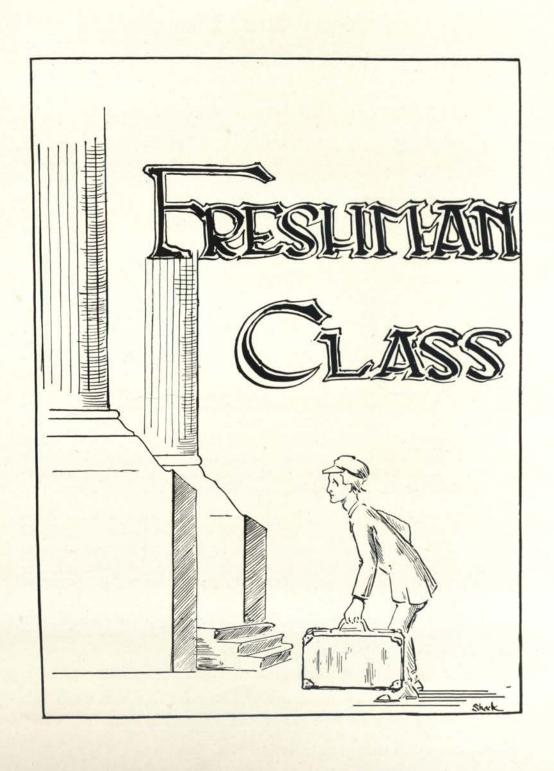
In athletics the sophomores did at least their share. Although a combination of weather and time prevented the annual sophomore-freshman football game, supremacy was easily gained in basketball by defeating the upper classmen as well as the freshmen. Varsity football men who duly represented the class were: I. B. Johnson, captain elect; A. L. Cairns, M. L. Dorris, R. N. Place, E. J. Bohn, and Swayze. In basketball, Wright, Swayze, and Bohn proved themselves to be the kind of men any class would be proud of. Besides the varsity men we had plenty of material in all intercollegiate sports.

It is certain that the members of the sophomore class shall never forget their existence at M. S. M., and shall always bear in mind:



Sophomores

~ - T-1/	
Bailey, Harold Leland	. Virginia, Ill.
Barnard, Charles Russell	St. Louis
Bash, Davil Anderson	Hannibal
Bloom, George Barnett	Maysville
Cairns, Arthur Lee	. Cape Girardeau
Cameron, Campbell Robinson	. McAlester, Okla.
Casselman, Lawrence Owen	Rolla
Charles, Beryl Elwood	. Salina, Kan.
Clayton, George Dillard	Hannibal
Conrad, John DeWitt	Hamilton
Davidson, Lewis Ely	Savannah
Deckmeyer, Fred	St. Louis
Dorris, Milburn Leo	Collinsville, Okla.
Dunlop, William Harry	. Beardstown, Ill.
Elkins, Charles Edgar	Dixon
Ewing, Harold Kline	. Odessa
Finlay, William James	. Webster Groves
Forgotson, James Morris	St. Louis
Gettler, Carl Andrew Goodwin, Edwin Harold	Hannibal
	Baxter Springs, Kan.
Halligan, Charles Francis	Baxter Springs, Kan.
Hawkins, Robert Russell	Union
Hodges, Isaac Franklin	Crocker
Hollow, Edward John	Granby Cuba
Hoppock, Harland Hobart	Lebanon
Howald, Arthur Mark	Sullivan
Howard, Clifford Peter	Wilburton, Okla.
Howendobler, John Leslie	. Tulsa, Okla.
Hume, Horace Catlett	Webb City
Hummel, Carl Bernard	. Kansas City
Johnson, Richard Love	. Henryetta, Okla.
Johnston, Irwin Benson	St. Louis
Kerr, Arthur John	Rolla
Kershner, Karl Kenneth	St. Louis
Klyman, Julius Hart	St. Louis
Kroenlein, George Alfred Larsh, Nalopeon Bonaparte	St. Louis
Laun, Albert Charles	Nebraska City, Neb.
Lingsweiler, John Wallace	. St. James
Mann, Marion Robert .	· Richland
Miller, John Gaines	Gallatin
McMillen, Morris Frank	Marshall
Norville, Glen Smith .	Branson
Novak, Joseph, Jr.	. Beardstown, Ill.
Owen, Luther Cecil .	St. Louis
Place, Roscoe Nelvin	Gallatin
Rackett, Gerald Franklin	. Chicago, Ill.
Richmond, Wendell William	Hannibal
Sherman, Benjamin Edward	. Tahlequah, Okla.
Slover, Edwin Allsop	East Orange, N. J.
Smiley, Vivien X.	Hannibal
Steffens, Fred, Jr.	· . St. Joseph
Stroup, Robert Knox	Quincy, Ill.
Stubbins, John Russell Stubbs, Robert Newton, Jr.	Paris
Swayze, Ronald Owen	· . Kirkwood
The second virtue value of	. Pomona, Kan.
Taylor, Frank Huston	St. Louis
Tutt, Bland Richard	· · · Rolla
Uthoff, Fred William	· · Crocker
White, Fred Pope L	St. Louis
Whitworth, Virgil Lee	East St. Louis, Ill.
Williams, Edgar A.	. Nevada
Wills, Ronald Blair	· Withers Mills
Wright, Kenneth Maurice	. Evansville, Ind. Kansas City
Zieseniss, Harry Wesley	. Ransas City
	. Atoma



Freshman Class History



Most of we Freshmen arrived in Rolla for the first time in the earlier part of September and we hardly knew what to expect. We were very green, but did not become aware of the fact for some months later. We were favorably impressed with the school buildings and the beautiful campus and also with the hospitality of the Upper Classmen. The Sophomores, however, proved very obnoctious during the first week. Frequently members of our class found it necessary to retreat to the fields which were gradually creeping upon the outskirts of Rolla in order to avoid their depredations. In short, hazing was carried to such an extent that it was abolished for the future.

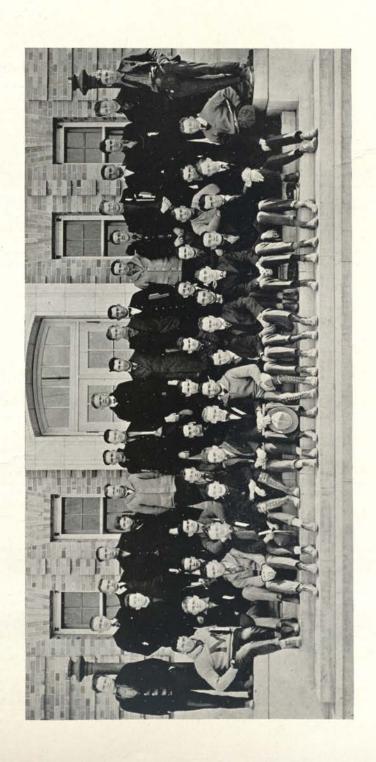
At the end of our first week in Rolla we spent a night at the fair-grounds, where we began to great really acquainted with each other. It was there that we organized for the battle that took place the next morning, in which we were defeated.

due to the Soph's superior numbers. After the battle we were fitted with green caps which were about the size of a half dollar before they started to shrink. On Green Cap Night we discarded them with solemn ceremony.

At our second class meeting we chose Joe Wilson for president, Stevens for vice-president, Mutz for secretary, and Bowman for treasurer. "Chief" Homer was chosen to restore order at meetings, Short as miner reporter and Guy as cheer leader. In Varsity football, Stevens and Dennison made M's. At the smoker, which we gave in honor of the Sophomores, our "imported Oriental dancing girls" attracted considerable attention. Due to inclement weather, the annual Freshman-Sophomore football game was not played. We were, however, fully prepared and were sorry that we didn't get a chance to show the Sophs the material of which we were made.

In regard to Military Drill, the less said about it the better.

At the end of the first semester we lost several of our men, but were fortunate enough to get several new men. Our men were all loyal to their class and to their school and when they leave in the summer, it will be with the impression that there is no place like M. S. M.

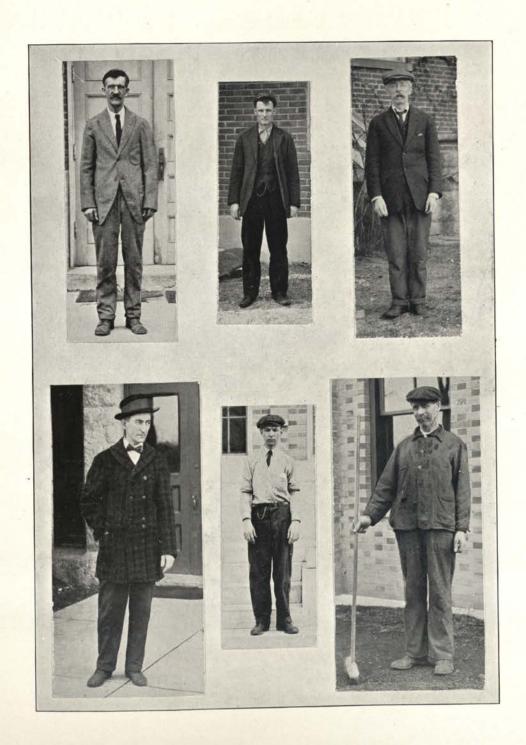


Freshmen

Ahrens, Herbert Emmet	3
Albert, Hyman Isadore St. Loui	s
Arnold, Paul Cadwell St. Louis	S
Bohn, Edwin Joseph Tulsa, Okla	
Booker, Karl William	y
Bowman, Samuel Ray St. James	
Burford, Carroll , Beaumont, Tex	
Christy, Harold Hamilton Colorado Springs, Colo	
Colbert, Julius Philip	
Combs, Harry Jackson Stigler, Okla	
Delaloye, August Francis Rolla	
Denison, Alexander Milne Cushman, Ark	
Denison, William Ray	
Dreidel, Eugene	500
Gahr, Myron Valentine	
Galpin, Havilah Roy Gallatir	
Guy, Earl McKinley Davenport, Ia	
Hollingshead, Homer Archer	
Homer, St. Clair	
Hughes, Harry Herbert	
Jones, Wesley Edward	
Kasel, Rudolph	
Keeter, Vern Ivan	
Kerr, Homer Chalmers	
Kosky, John St. Louis	
Lewis, Vernon Bruce	
I make ald William Did I v	
Mill D D	
Montieth Clause De	
Moore Pohert Develop	
Mundt Harbart William	
AT II AII TO I DOUL	
Netzeband William Faultania	
Nevedometry Commel I 1	
Nightswonger Pay Door	
Norville Howard Oliver	
Nudelman Parray	
Date Tr 11 m	
Roe Kenneth Carden	
Poss Cyral Compliant	
Salmon Iulius Classes T	
Ca11 A1	
Shanfeld Cam Name	
Short Leonard Bush-of1	
Smith Iames Alger	
Stevens Thomas Adam	
Stormant Will: T. 1	
Storrs George Walter	
Sutherland One D 1	
Truax Myron Whitney	
Tutt, Lawrence Eugene	C
Tyrrell Morris I.s.	
Uthoff Carl Issanh	
Wallace Milton Dordon II	
Wallace, Milton Dardwell St. Louis	8
Webbs, Albert Loomis	
Webber, Ivan Emmens Liberal	1
Wilson, James Mortimer	
Wilson, Joseph Mortland Rock Rapids, Ia.	
York, George Wesley	



Specials



Honor Roll

A. L. Ackers

Harry Aid

Kenneth Aid

H. A. Ambler

S. L. Anderson

E. L. Arnold

W. L. Aves

R. E. Bagby

C. E. Bardsley

L. M. Barker

R. A. Barton

S. L. Baysinger

W. D. Beegly

W. M. Benham

R. L. Bennett

D. C. Bever

C. C. Bland

G. B. Bloom

Frank Bolles

J. H. Bowles

M. F. Bowles

L. H. Brady

M. P. Brazill, Jr.

W. F. Brewer

R. S. Burg

George Burnet

R. H. B. Butler

E. W. Campbell

A. B. Chaney

Lindell Chew

W. D. Clarke

G. D. Clayton, Jr.

H. W. Cochburn

R. D. Cooper

L. L. Coover

H. G. Corby

W. H. Cowan

Robt. Craig

F. E. Dennie

H. S. Dickerson

F. P. Dickson, Jr.

C. L. Dorris

Otto Ehler

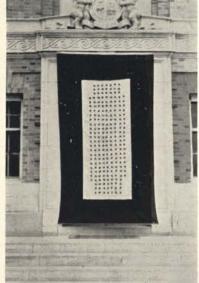
C. E. Elkins

William Elliott

W. S. Erskine

C. O. Fenelon

J. R. Fiedler



DONOR CLASS, '20

F. L. Dover

J. J. Doyle

Boyd Dudley, Jr.

J. B. Duga

Wayman Crow

W. B. Grutcher

L. H. Cunningham

E. V. Damotte

T. L. Dawson

Frederick Deckmeyer

T. S. Dunn

G. E. Ebmeyer

J. E. Flanders

F. J. Flynn

C. R. Forbes

P. G. Forman

Ralph Forrest

G. H. Fox

F. H. Frame

C. L. French

J. G. Galbraith A. C. Gale

Rowe Garesche

T. C. Gerber

T. L. Gibson

A. W. Gleason

W. D. Gray

David Greenburg

R. A. Haley

L. S. Harlowe

B. E. Hammer

A. K. Hammond

O. H. Hampsch

J. L. Head

K. W. Heimberger

R. C. Henschel

Frank Herndon

J. A. Hielscher

J. C. Hill

W. G. Hippard

J. S. Hoffmann

L. N. Hoppock

H. W. Hurst

J. S. Irwin

D. C. Jackling

F. L. Johnson

R. L. Johnson

E. A. Jones

F. M. Jones

W. H. Kamp

W. W. Keeler

J. L. Keelyn

I. T. Keenan

P. D. Kern

H. A. Kluge

F. R. Lang

E. J. McNely

Louis Marquis

R. L. Marston

R. L. Massey

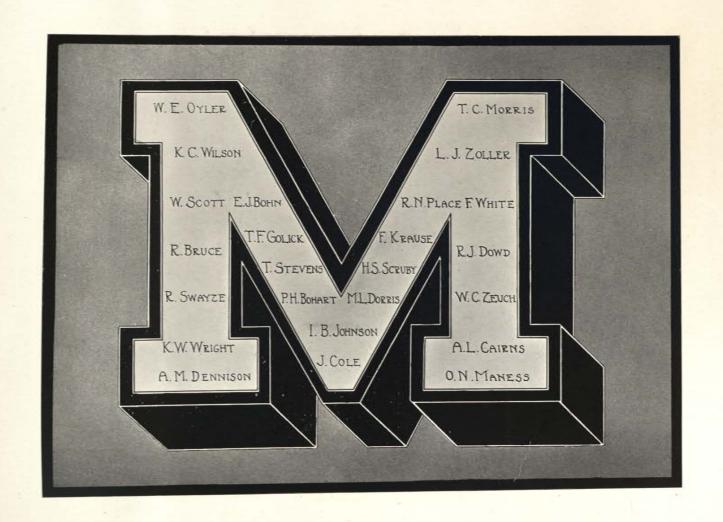
In Memoriam

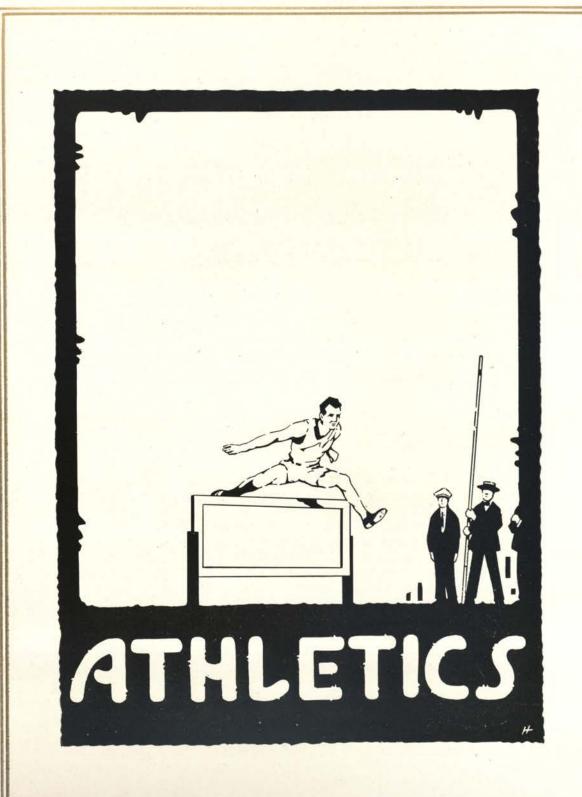
William Grover Branham, '10 Died April 12th, 1917, in Kinshasa Congo Belge, W. Africa.

FLOYD DAVIS, '83 Died August 28th, 1917, McAlester, Okla.

Herbert Arnold Roesler, '03
Killed in a Pennsylvania railroad accident, September 27th,
1917

Walter Henry Wager, '14 Died October 27th, 1917, Neosho, Missouri





Football Review

ERHAPS in the opinion of some, a successful football season is one that terminates in a championship. To us it is one in which a team, after suffering defeat and hard luck, can go on with a spirit of "Fight to the last" to the final whistle of the season.

The 1917 Miners were a bunch of hard, conscientious working men who gave all they had at all times and fought valiantly for the glory of the greatest of mining schools. They were light and speedy and their defeats can be traced directly to the heavier opponents with which they had to contend.

Of last year's men, Captain Bruce, Johnston, and Dowd appeared at the first blow of the whistle. Other aspiring candidates brought the squad up to thirty-seven men. It was inevitable that the loss of several men by the call of Uncle Sam would necessitate much harder work than usual for the candidates and coach.

The season opened on the 13th of October with Westminster and which resulted in victory for the Rolla Miners. The game was a resemblance to a track-meet, as one side would run down the field and score and then the other.

Next came the Razorbacks at Fayetteville where the Miners suffered their first defeat. It was simply a case of being outclassed.

With vengeance and determination to win back the lost laurels, the Miners eleven swamped Marionville to a 65-7 count, on the following Saturday.

On November 9th we met our old lucky rival, Washington, and oh! yes; their luck was still with them.

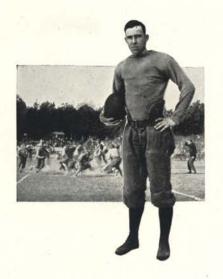
A week of rest was on the program between the Washington and Drury games and Coach McConnell was working hard all the time in an endeavor to defeat the Panthers. The game, when played, resulted in a victory for Drury and made the two schools tied in football honors.

The last game of the season was played at Terre Haute, Indiana, with Rose Polytechnic on Thanksgiving. The heavy Hoosiers soon began to tell on the Miners and we lost the final game by a 20-0 count.

R. J. Bruce (Captain)

Center

Bruce, with his thorough knowledge of the game and natural aggressiveness, made an ideal captain. He was always in the game and fighting like a demon. He will probably be back to help in the 1918 team unless the call of Uncle Sam is heard.

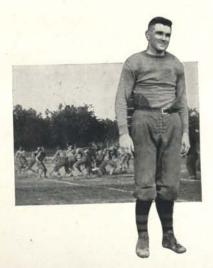


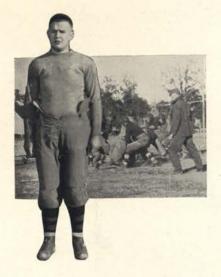
I. B. Johnston (Captain-elect) Halfback

"Johnny," our next year's captain, played his unusual consistent game. He ran perfect interference and carried the ball for consistent gains. We look for a very successful season under his leadership.



"Bill" fits into his place at guard as snugly as a beer crown does on a beer bottle. He comes up in the thick of the fight and sits on some opponent. Although not one of the wheels of the scoring mechanism, he can be termed a preventative against scoring.





T. C. Morris

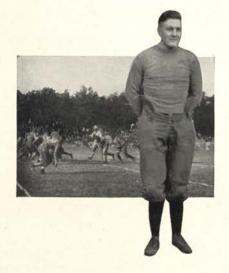
Left Guard

"Kitty" didn't get out for practice until late, due to Prof. Maness and his very important laboratory. The one great delight of this S. E. Mo. fat boy is to try and make pancakes out of his opponents. He is a hard worker and next year should see him at his best.

R. N. Place Right Tackle

"Juice" is a new man who has made good with a vengeance. He is big and would make a classy back if it wasn't for his flat feet. He is all a good lineman should be and great things are expected of him in the future.





M. L. Dorris

Left Tackle

Dorris played his first season of football and showed ability. He is willing and a hard worker.

K. C. Wilson Quarterback

"Kid" played the quarterback position and with much more experience will prove to be a good man.



A. L. Cairns Halfback

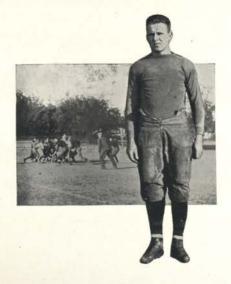
"Buddy" comes from the swamps and these swamps have made his feet his one big asset, as his kicking ability is worthy of mention. He is willing and a hard worker.



A. M. Denison

Fullback

Denny was the real Brickley of the team and could always be relied on to do his share. He has three seasons yet to go with the Orange and White Eleven, and will undoubtedly prove himself a real football player.





TOMMY STEVENS

Right End

"Stevey" is fast, and above all, a fighter. He plays the game every minute as the opponents can testify and is exceptionally fast at getting down on punts. He can tackle like a demon and always low. During the next three years Steve will be heard of more than once.

E. J. Bohn Left End

"Eddie" is a sophomore who by his consistency and hard-working tactics won his letter by defending the left wing. He can always be depended on to do his share of the work.



1917 SCORES

Miners			26	Westminster			18
Miners			0	Arkansas U.			39
Miners			65	Marionville .			7
Miners		200	2	Washington			21
Miners			0	Drury .			26
Miners	1		0	Rose Poly .			20



Review of 1917 Baskethall Season

The 1917 basketball season cannot be termed as much of a success as far as winning games was concerned. On the other hand when one considers what hard luck followed the team, such as losing men and other set backs, it can indeed be deemed as a very successful season.

The first call for eagers was sent out by Captain Scott during the first week in December, of which brought out twenty men of whom Captain Scott, Johnston, Dorris and Wright were old men. The outlook at this time for a winning team was bright, but when the time for the first game rolled around the team by the loss of Johnston and Dorris the noticeable absence of team work with the result that we lost on our own floor. The season from here on resolved itself into a series of defeats and only one victory is chalked up in our favor.

The annual class series previous to the regular season was the best series of class games ever put on here. These games developed new men and showed them up before the eyes of the school and were the means of reviewing class spirit. The class championship went to the Sophomores. The title lay between the Juniors and Sophomores and the second year men carried off the honors in a hard fought game.





Captain Scott showed himself to be a good little captain, and was in the game all the time encouraging his men and working hard.

Krause did not get out until late in the season, but showed that he is just dangerous enough that the opponents will keep two men on him.





Wright has the hardest luck in the throwing baskets of any man who ever stepped into a basket-ball suit. If there is a possible chance for the big leather to roll out it will do so. He is a scrapper and a comer.



Kid Wilson, as we all know, is a natural born fighter, and he plays at top speed and good caliber all the time.

Swayze, the new center, proved to be the shining light of the season and some cager. With a little more experience it will be impossible to stop him.



Schedule	At Miners	Opponents
Miners vs. St. Louis Univers	ity Rolla20	32
Miners vs. St. Louis Univers	ity Rolla32	21
Miners vs. Drury	Springfield23	59
Miners vs. Springfield Norma	d Springfield19	56
Miners vs. Drury	Springfield20	40
Miners vs. Drury	Rolla32	34
Miners vs. Drury	Rolla30	35
Miners vs. Central College	Rolla19	28
Miners vs. Springfield Norma	d Rolla23	34
	12	5000



Track Review, 1917

OACH Dennie made his first call for track men the middle of March in order to get the candidates trained into a squad which would do M. S. M. proud, because the track schedule showed the Miners in in three different meets and with dangerous opponents.

Only one of these three meets materialized, however, due to the exodus of men for Fort Riley at this time.

McKendall came to Rolla on the 27th of April and lost the day to the Miners by a seventy-five and one-half to forty-one and one-half count. The day was ideal and a good crowd was in the stands to root for the orange and white. The McKendall team showed, after the first track even, that the Miners had them out-classed. The field events showed both schools evenly matched and fighting had for supremacy. The Miners finally won the laurels in the field events by a one point margin.

Only one mishap occurred to mar a perfect day, and it came with a broad jump. Bernrenter, of McKendall, while jumping, spiked his wrist with the sharp corks on his shoe severing an artery and had to be carried from the field and rushed to medical aid. He made a twenty-one foot jump before being hurt, and it was good enough for the first time.

At the call for the hundred yard dash, four entries appeared. Brazill, for the Miners, won the event easily in 10:3. Vernrenter, second, and Aid, third.

White, the all around athlete, won the one hundred and twenty yard hurdles in :seventeen and two-fifths. In the low hurdles, Brazill was again returned winner, doing the obstacles in twenty-seven and two-thirds.

Murphy succeeded in bringing home a Miner victory in both the one and the two mile events.

Bruce cleared the bar at 10.1 feet in the pole vault which was good for a start.

Capt. Peterson and Scruby tied for first honors in the high jump, both doing 5.6 feet above the terra firma.

The visitors succeeded in taking but three events which were the shot put Javelin throw, and broad jump.

The meet was run off fast and snappy and kept something before the rooters at all times.

The following is a list of the events and the results:

100-yard dash		,	Miner			6	McKendall		20	*	3
120-yard dash			Miner			8	McKendall		ĸ		1
Mile			Miner			6	McKendall	v	÷	÷	3
440-yard dash			Miner			8	McKendall	į			1
220-yard hurdle			Miner			8	McKendall		×	*	1
Half mile .			Miner			6	McKendall		v		3
Two mile .			Miner			6	McKendall	•		-	3
Pole vault .			Miner			8	McKendall		95	•	1
Discus throw			Miner	6		1	McKendall		9	ū	8
High jump .			Miner			8	McKendall		·.		1
Shot put			Miner			3.5	McKendall				5,5
Broad jump .		٠	Miner	7.		3	McKendall				6
Javelin		٠	Miner	•		3	McKendall	×			6
			Miner			75.5	McKendall				41.5





Peterson was a good captain, an all around man. He led his team with ability and we are sure that he will also prove to be a good leader for Uncle Sam.

Scruby won his letter in the high jump. He and Captain Peterson were tied for first place when it was over, he was an all around man and could be placed in any place and make good. Now with the colors.





Brazill was the speed demon of the team. He won the dashes and hurdles in an easy manner and it is with regret that we find him gone, but we realize he is now doing a great work under the supervision of Uncle Sam.

Murphy, the man who never tasted the bitter cup of defeat. Spud never lost a race for M. S. M., but always brought home the bacon. He should be able to get to Berlin first, if given a chance. Now with the colors.





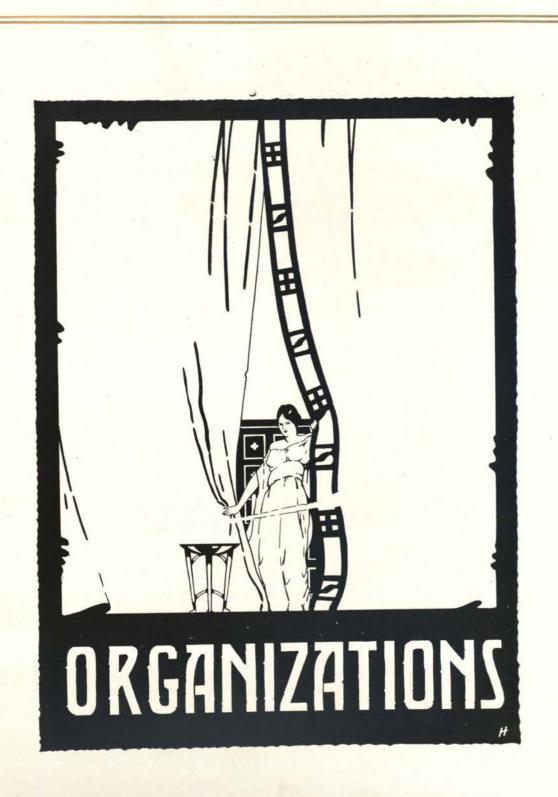
Bruce, captain elect, was a good track man. Like football, he went into track and was always on his toes fighting. He is now with the colors.

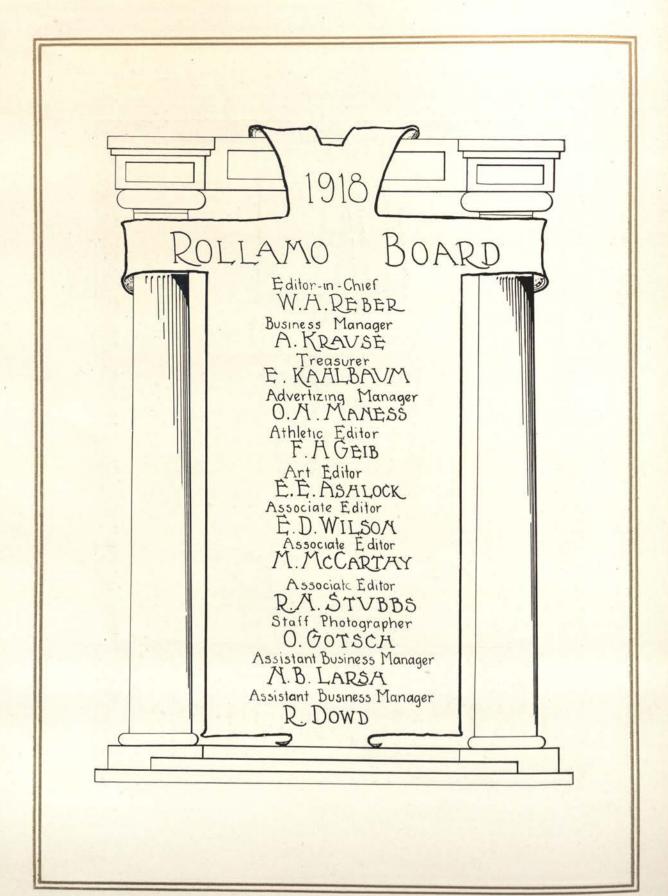


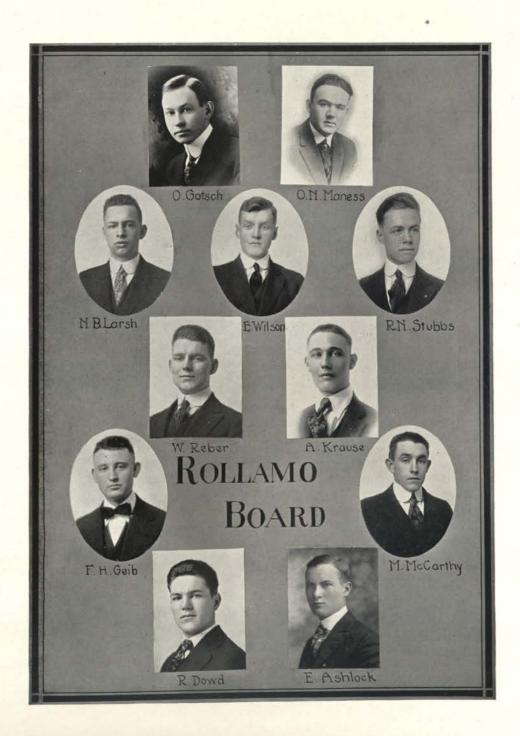
M. S. M. Track Records

:10	F. Dover
$:22\frac{2}{5}$	G. Cowman1913
:48%	G. Cowman1914
2:04	G. H. Boyer
4:40	G. H. Boyer
:16	M. S. Mazany
:254/5	M. S. Mazany1909
41'9"	S. C. McComber1908
111'6"	E. P. Barrett
5′7′′	John Graves1905
20'10"	C. W. Traughber 1909
11'	S. C. McComber
30:40	E. D. Lynton
$1:37\frac{2}{5}$	1913
	:22% :48% 2:04 4:40 :16 :25% 41'9" 111'6" 5'7" 20'10" 11'









Editorial

Wishing to depart from the customary lectures, characteristic of the average college editorial, we feel that nothing would be better than a few words concerning what Missouri School of Mines has contributed and is contributing to the call made by President Wilson to help "make the world safe for Democracy."

The entrance of Missouri School of Mines into the war was made when 90 students left for the first Officers' Reserve Training Camp at Ft. Riley, Kansas. Of these, eighty (80) per cent were commissioned Captains and Lieutenants. Some of the other students joined the first regiment that saw overseas duty. We are represented in the regular and national armies and the national guard; in the Ordnance Department, Quartermaster Corps, Cavalry, Artillery, and Infantry. Some have shown such exceptional ability that they have been retained in this country as instructors. proved a very popular branch, for Missouri School of Mines is well represented in both the American and the Canadian flying Corps. We are mighty proud of the men who now are downing the Hun planes. In the navy we have not only those who joined at the outset of the war and are now engaged in the seas, but also those who are doing their duty in the Submarine and the Hydroplane work. The regular marines, as well as the marine band, have not been overlooked. Of these 300 or more men in the service, over 40 per cent are now officers, and their rank ranges from first class private to that of major.

Missouri School of Mines, however, has not stopped with sending men into every branch of the service, but is in many ways trying to support those who are so willing to make the supreme sacrifice. Several are enlisted in the Engineers Reserve Corps, others are preparing to spend their vacation working in ship-building plants, in the Bureau of Standards, in the United States Geological Survey and serving in other capacities. Contribution has also been made to the dollar-a-year forces. The Y. M. C. A. and Red Cross have been liberally supported by both students and faculty. Last, but by no means least, military training has been made part of the curriculum of the institution.

The above, however, we know is only a beginning. Next year's Rollamo no doubt will tell of greater things.



Many things have entered into the making of this, the twelfth annual Rollamo, and in our efforts to produce a book that would be worthy of the school, we have drafted liberally on past issues of the Rollamo. This is especially so in regard to the 1917 book. In due consideration of this, we wish to acknowledge to the members of former Rollamo Boards our indebtedness to them for what ideas in arrangement and details we have obtained from their books.

We also wish to acknowledge our indebtedness to each and every one who has contributed in any way toward the making of this book.



The Missouri Miner

HE Miner is fast becoming recognized as one of the best weeklies put out by any technical institution in the country. The growth of the paper has been rapid and uniform during the past year and much credit should be given former staffs for establishing it on a sound foundation of popularity and usefulness to student, faculty, and alumni.

The Miner editorial staff was cut to three men this year for the sake of better co-operation. Although this threw more work on the editors, the effort was more than compensated for by the more thorough manner in which the school was "covered."

But five of last year's staff returned to school last fall and of these Mr. G. D. Clayton soon answered the call of Uncle Sam. Mr. J. B. Duga was Editor until January, when he also answered the call. It was Mr. Duga's witty pen that made The Miner looked forward to each week.

After the departure of Mr. Duga, Editor F. H. Geib took the reins of The Miner into his capable hands and pushed it to the forefront of college papers in the west. By his efficient handling of the staff, he got the maximum of effort from all departments. Under his leadership two twelve-page editions were put out successfully. The first one was in commemoration of the third anniversary of The Miner's existence. The other large edition was put out March 15, the day St. Pat's was celebrated. This was the most complete St. Pat edition ever put out by The Miner and will long remain as a goal for future staffs.

Mr. James P. Gill was the all-around editor of The Miner, and as Associate Editor kept it on the firing line of new. He covered everything from births and marriages to the driest of lectures with equal facility. His "Tails and Tailings" column has come to be one of the most important features of The Miner.

Mr. E. L. Miller was added to the staff in the middle of the year and handled the athletic news like an expert. His former newspaper experience helped when it came to proof and copy reading and a large majority of typographical errors disappeared from the columns of The Miner.

Under the able management of Business Manager Osher Goldsmith and Assistant F. H. Taylor, The Miner enjoyed the best financial independence of its history. The past year was started without a dollar in the treasury and now it is self-supporting. The Miner had more advertising last year than ever before, due to the peppy work of Advertising Manager W. J. Scott and Assistant P. D. Wilkinson. Practically all the advertisers of the preceding year were retained and many new ones were added to the honor list.

Circulation Manager R. K. Stroup proved so efficient in his department that it was thought needless to procure an assistant for him. He always had The Miner out on time and the handling of an extra hundred or so copies on the big editions was nothing to him.

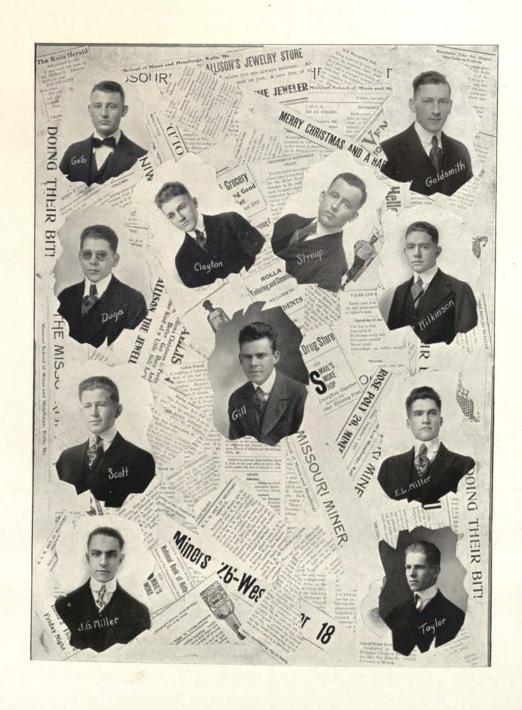
The circulation department started out in the fall with Mr. J. G. Miller as manager and Mr. Stroup as assistant, but through press of school work Mr. Miller was compelled to withdraw from the staff.

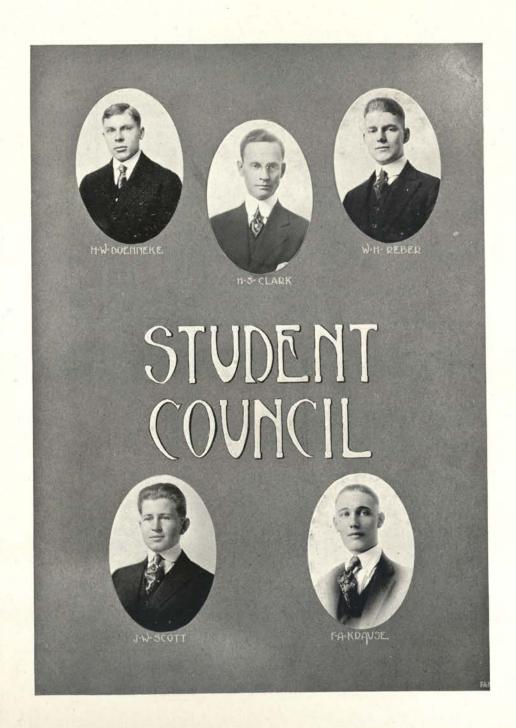
The Miner staff is greatly indebted to the class reporters for their work with the news of the different classes. The class columns were always in on time, and much news of merit was found in them that would otherwise have gone unnoted. The following were the class reporters: Senior, E. R. Housholder; Junior, E. E. Ashlock; Sophomore, C. B. Hummel; Freshman, L. R. Short.

The Miner sincerely appreciates the co-operation it has received this year from the faculty, alumni, and students. Many letters of interest were run in its columns from old men who kept up their interest in the school through The Miner.

Next year most of the 1917-1918 staff will be back and with addition of several new members The Miner should continue its steady growth toward becoming that ideal of a college weekly, a medium of exchange of thought between student and alumnus. School activities have come more and more to depend upon the support of The Miner for their success, for the reason that The Miner comes each year nearer expressing true student opinions.









MISSOURI CHEMICAL AND METALLURGY SOCIETY



THE MISSOURI MINING ASSOCIATION

Quo Vadis Anol Jungle

(Sidetracked March 11, 1912)

Mотто: "Please Mum"

FLOWER: Dog Fennel

Colors: Black and Blue

BOES IN FACULTY

"Joe" Cole

"Boots" Clayton

BOES IN JOINT

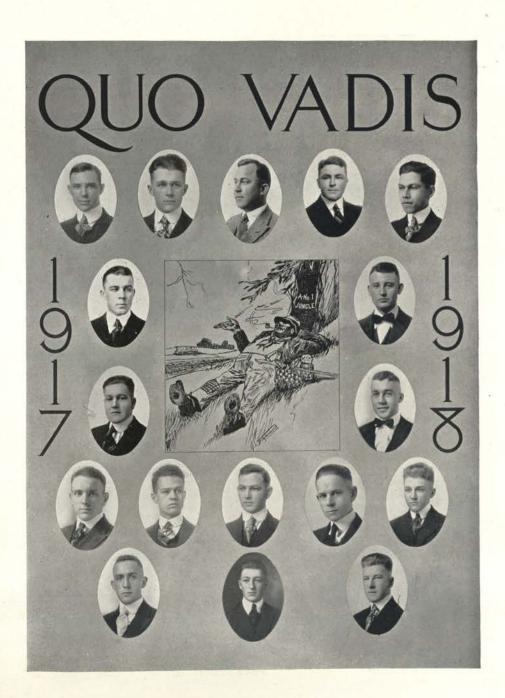
"Art" Eulich "Shorty" Triefenbach "Bill" Bailey
"Phil" Bohart "Gus" Petsch "Eddie" Bohn
"Gabe" Harris "Juice" Place "Red" Wills
"Kid" Wilson "John" Geib "Hop" Hoppock

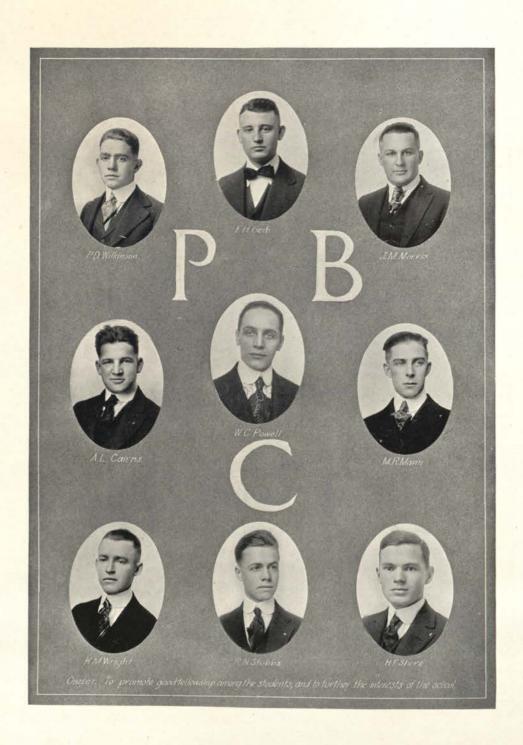
BOES IN SERVICE

"Babe" Dorris "Little Boots" Clayton "Butterfly" Steffens

BOES ENROUTE

"Bullet" Bruce "I. B." Johnston





Satyrs

Honorary Sophomore Organization, Organized October, 1913

ACTIVE MEMBERS

G. F. Rackett

I. B. Johnston

H. H. Hoppock

H. Bailey

M. L. Dorris

H. Taylor

G. D. Clayton, Jr.

J. D. Conrad

A. Laun

1918

W. Scott

R. Bruce

F. A. Krause

F. V. Moore

H. D. Scruby

N. B. Larsh

H. H. Weiser



P. D. Wilkinson

M. McCarthy

1919

H. S. Clark

T. F. Golick

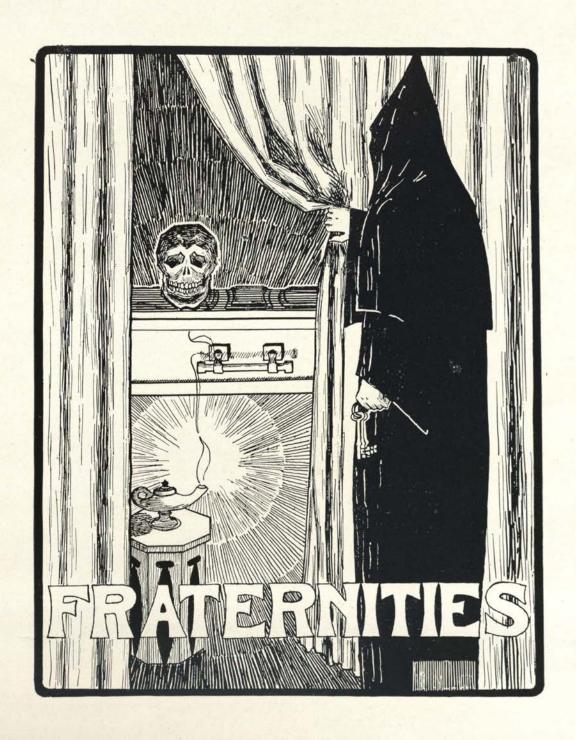
W. H. Reber

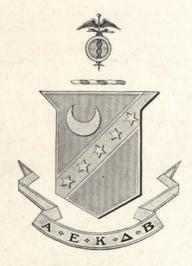
F. H. Geib

H. W. Donnecke



AT 1ST OFFICERS' TRAINING CAMP Fort Riley, Kansas





Kappa Sigma

BETA CHI CHAPTER
Established December 19, 1903
Fratres in Universitate

SENIORS

W. H. Reber

L. J. Zoller

J. E. Flanders

JUNIORS

H. D. Scruby

E. K. Ewing

H. F. Shore

F. A. Krause

P. D. Wilkinson

G. G. Goodwin

E. H. Goodwin

SOPHOMORES

M. R. Mann

C. R. Cameron

K. M. Wright

R. L. Johnson

F. P. White

Houston Taylor

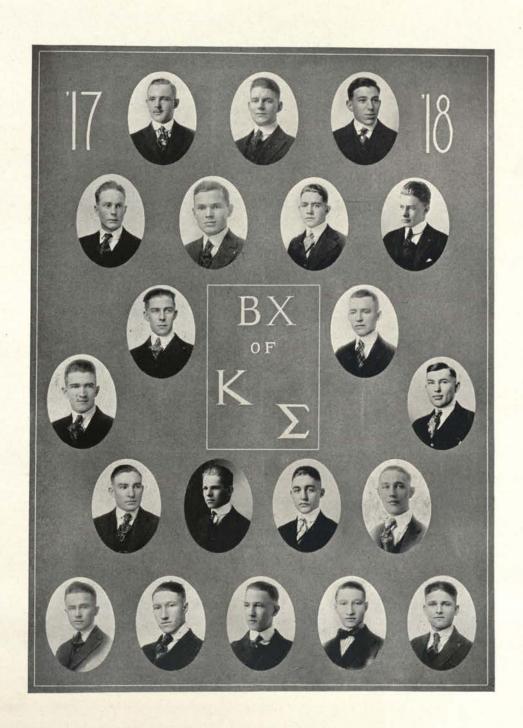
J. R. Stubbins

FRESHMEN

W. R. Luckfield

P. C. Arnold

R. D. Nighswonger





Sigma Nu

GAMMA XI CHAPTER Established January 23, 1903

Frater in Urbe John McKnight Southgate

Fatres in Facultate

Joseph Wayne Barley

Henry H. Armsby

Fratres in Universitate

John Munson Morris

William Clark Powell

Tony Frank Golick

Henry George Kamp

Frederick Vail Moore

Thomas Carson Morris

Carl Andrew Gettler

W. W. Richmond

Arthur Lee Cairns

H. C. Hume

Robert Newton Stubbs

Edgar Arthur Williams

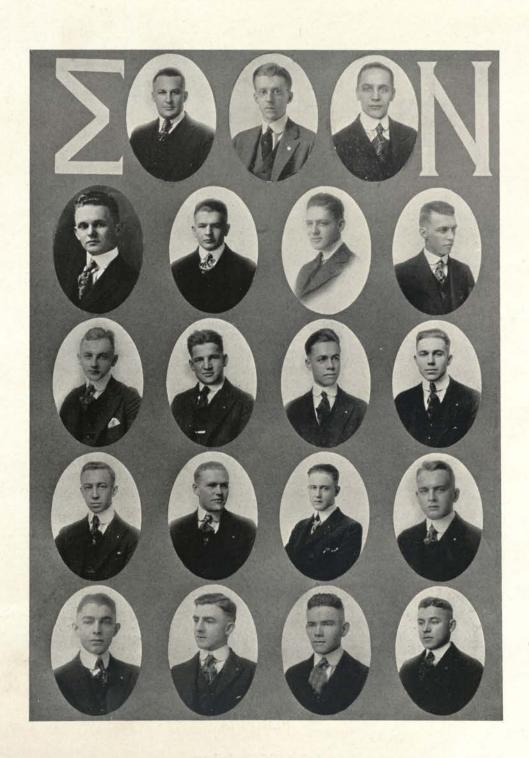
Charles James Millar

Harold Ford Patterson

Thomas Adrian Stevens

Homer Archer Hollingshead James Mortimer Wilson

Joseph Martland Wilson





Pi Kappa Alpha

ALPHA KAPPA CHAPTER

Fratres in Facultate

 $\begin{array}{cccc} \text{Horace Tharp Mann} & \text{Neil Charles Hutsinpillar} \\ & & Fratres~in~Universitate \end{array}$

1918

Howell Smith Clark Walter Charles Zeuch

1919

James Pressly Gill Robert Marston

Edwin Lawrence Miller Napoleon Bonaparte Larsh

1920

Carl Bernard Hummel Charles Francis Halligan Harold Leland Bailey William Lincoln Stewart

Walter Jay Mann Vergil Lee Whitworth

1921

Robert Douglas Moore Benjamin Sedgely Cornwell Carrol Preston Burford Albert Loomis Webb

Harry Herbert Hughes

PLEDGES

Glen Smith Norville

Howard Oliver Norville

Jules Philip Colbert





Kappa Alpha

BETA ALPHA CHAPTER (Installed April 27, 1903)

Frater in Urbe

Charles L. Woods

Frater in Facultate

Charles Yancey Clayton

Fratres in Universitate

SENIOR

George E. Mellow

JUNIORS

Philip H. Bohart Raymond J. Dowd

Louis B. Benton Arthur H. Petsch

SOPHOMORES

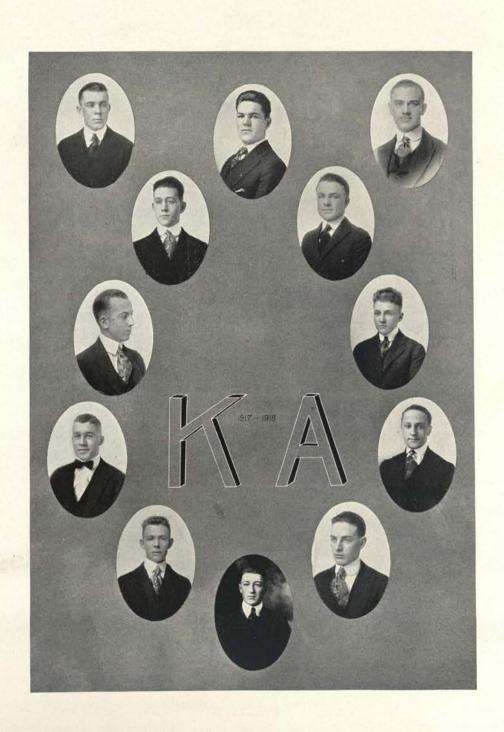
Charles R. Barnard Edwin J. Bohn William M. Taggart, Jr.

FRESHMEN

George W. Storrs

orrs Morris L. Tyrrell
Fratres in Absentia

George B. Bloom George D. Clayton Alexander M. Denison





Lambda Chi Alpha

ALPHA DELTA ZETA CHAPTER

Fratres in Universitate

SENIORS.

Edgar C. M. Burkhart Leroy R. Sheurer

JUNIORS

Robert Bruce

Luther C. Owen Harold W. Hurd

Artilius V. Eulich Harold S. Harris

Meryl McCarthy

Kenneth C. Wilson

SOPHOMORES

Roscoe N. Place ...lbert C. Laun

Milbourne L. Dorris John D. Conrad

FRESHMEN

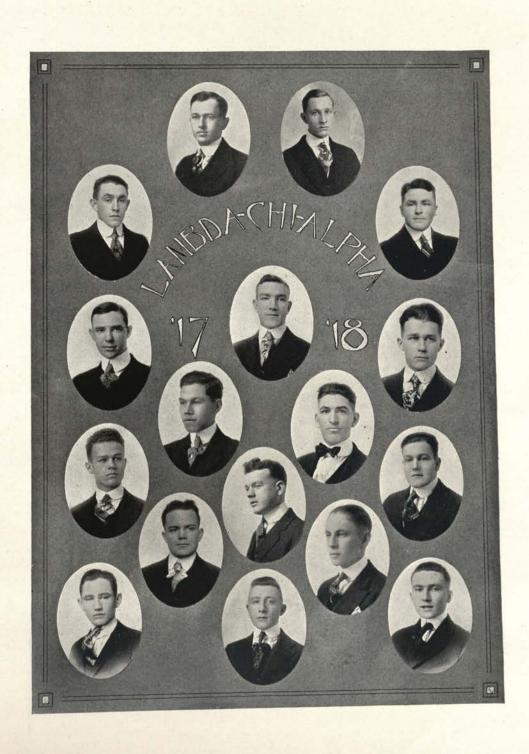
Albert Booth Needham Harold Hamilton Christy

Carl Joseph Uthoff Thomas Alvin Scully

PLEDGES

Vernon Booth Lewis

H. Roy Galpin



Tan Beta Pi

BETA OF MISSOURI CHAPTER

(Installed December, 1906)

HONORARY

Charles J. Adami *J. A. Holmes L. A. Test *E. R. Buckley Geo, E. Ladd R. C. Thompson H. A. Buehler D. A. Lyons *C. M. Woodard A. L. Mc. Rae D. Copeland L. E. Young W. R. Cox Philip N. Moore C. R. Forbes R. E. Duffy J. C. Ingram

FACULTY

Robert H. Richards

C. Y. Clayton H. T. Mann L. E. Garrett G. R. Dean

V. H. Gottschalk

1918

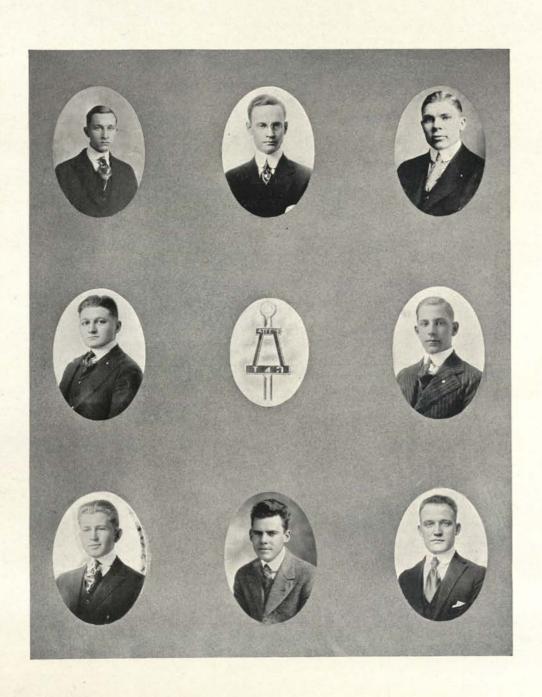
E. C. BurkhardtH. S. ClarkH. W. DoenneckeM. Shanfeld

1919

H. H. Weiser J. W. Scott J. P. Gill K. F. Hansen

L. S. Griswold

^{*}Deceased



Theta Tau

IOTA CHAPTER

(Installed December 30, 1915)

Honorary Member H. A. Buehler

Charter Member Francis H. Geib

Affiliate from Delta E. Ross Householder

SENIORS

Tony Frank Golick Raymond S. Weimer George Louis Triefenbach O. N. Maness

JUNIORS

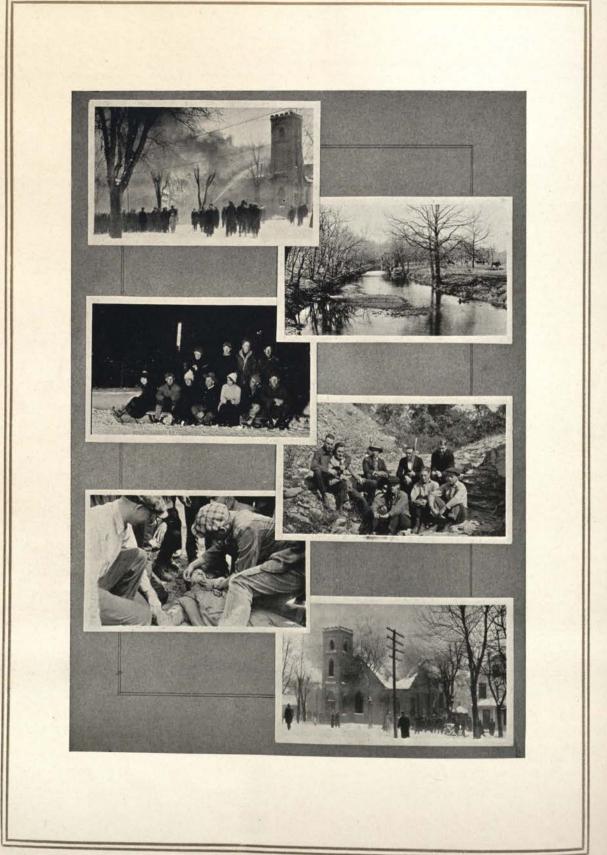
Walter J. Mann
Vivien X. Smiley

Hanley H. Weiser
Evan Earl Ashlock

SOPHOMORES

Ronald Blair Wills Kenneth Maurice Wright
Carl Bernard Hummel Robert Knox Stroup
Robert Newton Stubbs, Jr.







EATING CLVBS

Gruhstakers

IN FACULTY

Jos. B. Cole

SENIORS

Raymond S. Weimer

Oscar Gotsch, Jr.

Felipe B. Ore

George L. Triefenbach

JUNIORS

Wm. E. Oyler

Hanley H. Weiser

Lionel W. McKinley

SOPHOMORES

Harland H. Hoppock

Robert K. Stroup

Irvin B. Johnston

Gerald F. Rackett

Fred W. Uthoff

Charles Elkins

William J. Finlay

FRESHMEN

Vern I. Keeter

Kenneth G. Roe

Samuel R. Bowman

Lawrence R. Tutt

George Colville, Jr.

George W. York



Prospectors

SENIORS

R. Charez

E. R. Housholder

J. B. Duga

M. W. Shanfeld

F. H. Geib

R. Velasco

JUNIORS

E. E. Ashlock

O. Goldsmith

F. L. Deckmeyer

B. G. Nichols

SOPHOMORES

L. E. Davidson

C. P. Howard

W. H. Dunlop

H. W. Hurst

FRESHMEN

G. A. Belnap

H. T. Mutz

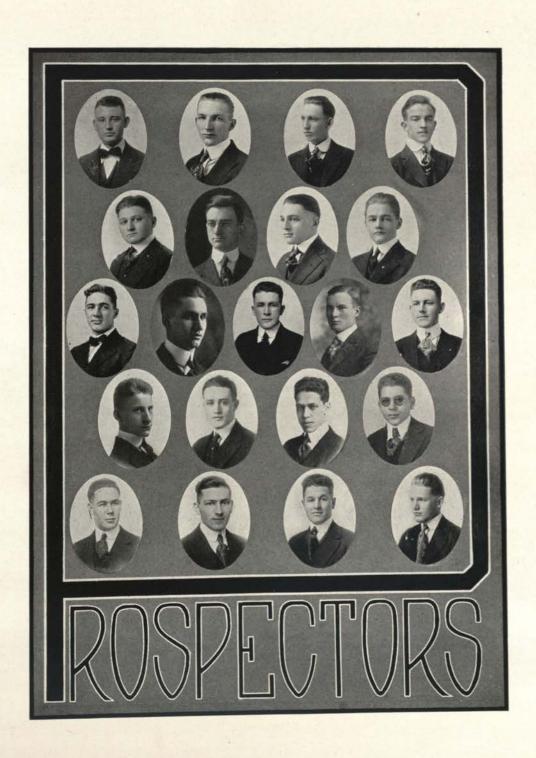
R. Illidge

B. Nudelman

R. G. Kasel

S. N. Shanfeld

I. Weber



Bonanza Club

CLASS OF 1918

Henry W. Doennecke

Leon H. Goldman

William C. Durning

Orie N. Maness

CLASS OF 1919

David A. Bash

William J. Nolte

Knud F. Hansen

George W. Pryor

Walter F. Lottman

Charles W. Schnaidt

CLASS OF 1920

Berl E. Charles

J. Wallace Lingsweiler

James M. Forgotson

John G. Miller

Robert R. Hawkins

Basil H. Turner

J. Hart Klyman

Ronald B. Wills

CLASS OF 1921

A. Boyle

John H. Hynes

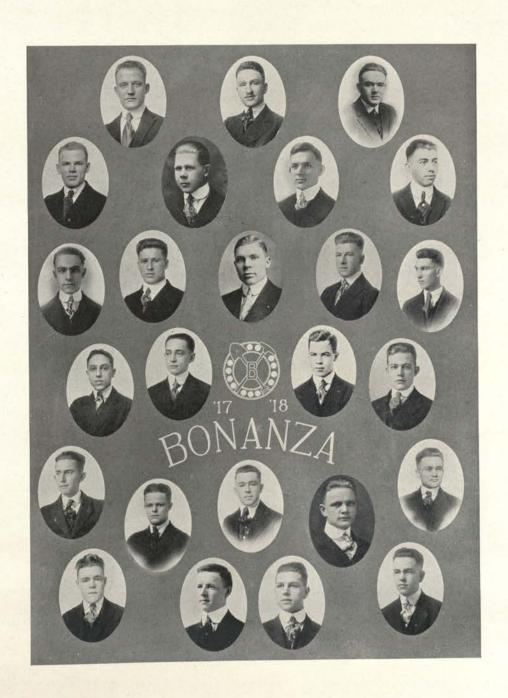
Russel C. McClarken

Julius C. Salmon, Jr.

Earl McKinley Guy

J. A. Hausladen

Leonard R. Short



Independents

SENIORS

E. E. Decker

H. T. Tao

A. C. Starkey

E. D. Wilson

JUNIORS

J. W. Scott

V. X. Smiley

A. J. Kerr

SOPHOMORES

R. Swayze

Schleisinger

W. J. Finlay

Kerschner

E. K. Schuman

F. M. McMillen

B. R. Tutt

A. Hahn

Sheppard

E. Hollow

H. Zieseniss

Hodges

C. O. Gerber

- Cugoo

.

Reinohl

L. O. Casselman

A. M. Howald

W. E. Jones

FRESHMEN

W. R. Denison

W. Netzeband

E. Dreidel

D. Hoffman

M. C. Ross

Kosky

Nevedomsky

H. C. Kerr

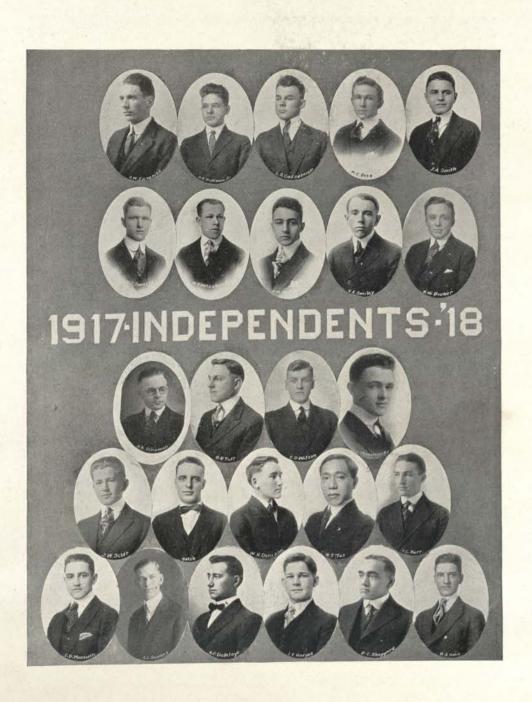
Montieth

J. Smith

A. F. Delaloye

H. Alberts

K. W. Booker





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Green Cap Day

Sunday, September 16th, closed the season for the hazing of Freshmen, and that night at a little before six, members of the class of 1921 were seen headed for the fair grounds. A few tarried until after seven o'clock, but successfully got through the Sophomore picket line.

The night was a rather chilly one, but the Freshmen were kept warm by excitement and the burning of fence posts. Their spirits were much raised about 3 A. M. by the catering firm of Housholder, Geib and Co. Due to a false report that the Freshmen were going to make a raid and put up their posters, the Sophs got little sleep that night.

So eager were the Freshmen for the fight that they arrived in town before 8 o'clock Monday morning.

Disregarding former customs, the fight started promptly at 9 o'clock. This was due to the fact that the Senior Class directed the fight.

Not a great deal can be said about the fight itself, for it lasted only eight minutes. The Seniors carried off the tied men, and the fight was over.

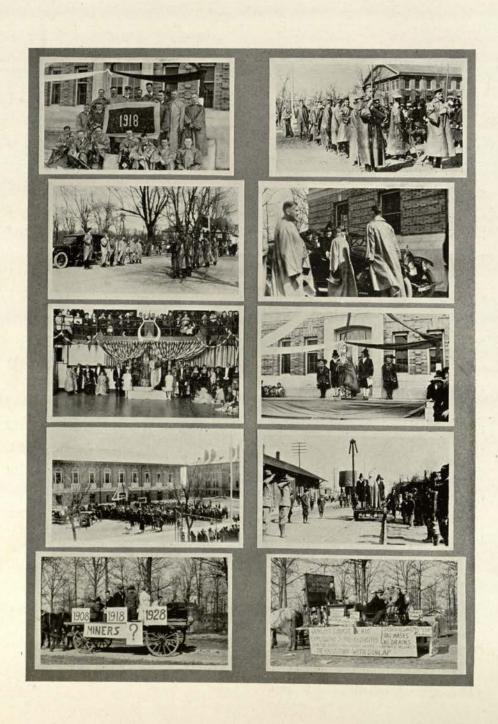
But too great praise is not due the Sophomores, for not only did they have the advantage of experience, but also numbers. However, this fight will long be remembered for the sportsmanship displayed. It was the cleanest, fairest fight ever staged on the M. S. M. campus. Not one word of complaint or criticism was heard from either side.

A large crowd witnessed the fight, but the crowd would have been even larger, had some of the Professors not figured on the fight starting late.

After the fight the usual carnival was staged in Jackling Field. The Freshmen cheerfully went through their stunts, the most amusing being the milk driving contest, won by C. D. Montieth.

Following the carnival the Freshmen were marched down town, and there equipped with the green head adornment.

In the evening the Sophomores entertained the school with a Smoker, which was run off with much "pep."



St. Pat's Day

ACH year since its inauguration finds the St. Pat's Day celebration a little better than that of the preceding year. This year's celebration was a fitting climax to all. To the Class of 1919 goes the distinction of having put on a St. Patrick's Day celebration that will long remain in the history of M. S. M.

Friday, March 15, dawned bright and promising, and remained true to its promise throughout the day. St. Pat's was held this year on Friday, as March 17th fell on Sunday—making a celebration on the Saint's birthday impossible.

As usual, St. Patrick, in the person of Merryl McCarthy, accompanied by two Irish Gentlemen, P. D. Wilkinson and H. S. Harris and two pages, R. D. Moore and Earl Guy, arrived at the Grand Union Station of the Frisco in the morning in his private car (private hand car). Here St. Pat and his party were met in state, and received with due and proper respect by a great retinue of adherents. A parade was formed under Grand Marshals H. F. Shore and L. M. Lottmann. Two standard bearers, one bearing the Stars and Stripes and the other flag of "Ould Ireland," marched in front.

Then came the Rolla band, followed by St. Patrick himself, on the royal float and a guard of honor, consisting of L. O. Casselman, R. N. Stubbs, C. F. Millar, G. F. Rackett, J. D. Conrad, F. H. Taylor and R. B. Wills, all in command of Lieut. K. M. Wright of the M. S. M. "army." All were in uniform. Following the guard of honor came numerous floats, caricaturing many matters of interest to students, and also many individual stunts, that afforded interest and amusement to the crowd that lined the streets on both sides along the line of march.

The parade ended in front of Parker Hall, where St. Patrick and his attendants mounted to the throne. St. Pat then gave the command, "Kow Tow," at which all students fell upon their knees and did homage to the patron saint of all engineers.

He called his followers to their feet, after a short address, in which he commented upon the general appearance and progress of the school. Then St. Pat demanded of his auditors if any one knew where the Blarney Stone



was. In response to this, Al. Laun volunteered the statement "that the Blarney Stone had been stolen by a German spy, but that it now stands as a foot stone at the tomb where the Kaiser's hopes and ambitions are now buried." "And where is that?" demanded St. Pat, to which Laun, pointing with his finger, replied, "Beneath the flag of the U. S. A." Amidst cheers and hand clappings, Old Glory was hoisted to the top of the flag pole. Just under it waived the service flag of M. S. M. bearing 300 stars, the contribution of M. S. M. to the service of the nation and a green penant in honor of St. Pat. The blarney stone was found where Laun pointed. The guard of honor, clad in uniform, brought it forth with its hieroglyphics, and placed it before St. Patrick. Each Senior was called upon to come forward, and after answering various questions, such as suggested themselves to St. Pat as likely to embarass him, he was required to kneel and kiss the blarney stone, and in which position he was knighted a Knight of St. Patrick, and received a diploma as such.

The following Seniors were knighted as Knights of St. Patrick: Francis H. Geib, E. R. Housholder, O. N. Maness, John Morris, Felipe Ore, William Powell, W. H. Reber, Lawrence Zoller, Horace Stahl, W. C. Zeuch, E. D. Wilson, George Mellow, Raymond Weimer, Leon H. Goldman, K. F. Hansen, Oscar Gotsch, Alvah Starkey, and E. E. Decker.

The vaudeville show in the afternoon was one of the best expressions of student and local talent ever given in Rolla. Those contributing to the success of the vaudeville were Misses Lucille Wilson and Maxine Smith, and Stewart, Goldsmith, Howard, H. O. Norville, F. V. Moore, H. T. Tao, Howendobler and Bash.

The Grand Bal Masque at night was the fitting climax of a great day. The gym had been converted into a ball room, with St. Patrick's throne at the north end, the orchestra bower being on one side, and the reserved seats for the chaperones being on the other side of the throne. The ceiling and sides were draped in green, and green and white lights threw a true Irish atmosphere over everything.



At 9 o'clock the gallery was packed to its capacity with onlookers. The dancers, in masques of many varieties, began to assemble, and Gene Rodemick with his orchestra, struck up that music "de irresistible," and dancing began.

At 10 o'clock the strains of music were hushed. The dancers ceased dancing. St. Patrick and his attendants entered, and took their places on the throne. The command of "Kow Tow" was given, and all the dancers prostrated themselves on the floor. Then all eyes watched the door as Mrs. Frederick D. Gardner entered, accompanied on either side by Messrs. O. Goldsmith and P. D. Wilkinson. Following came little Misses Babette Gottschalk and Louise Barley, bearing the Queen's train.

Mrs. Gardner made a beautiful and gracious queen, and the floor and gallery sounded their approval while she made her way to the throne to be crowned Queen. The signal was given to rise, the grand march was struck up, and with James P. Gill, president of the Junior Class as director, and with Osher Goldsmith and Miss Edna MacDonald and Paul D. Wilkinson and Miss Lucille Wilson as leaders. At the conclusion of the march, programs were distributed, and before it was disbanded the St. Pat Queen gave the command to "Kow Tow," to which every one, patrons and patronesses, and all the dancers upon the floor, most willingly obeyed.

The dancing and festivities continued past the small hours of the morning, and ended only after lunches had been served at all or most of the fraternity and club houses and many homes.

The patrons and patronesses of the ball were: Dr. and Mrs. A. L. McRae, Dr. and Mrs. V. H. Gottschalk, Dr. and Mrs. J. W. Barley, Col. and Mrs. Chas. L. Woods, Hon. and Mrs. Frank H. Farris, Mr. and Mrs. M. F. Faulkner, Mr. and Mrs. C. M. Knapp, Dr. and Mrs. W. S. Smith, Mr. and Mrs. J. G. Campbell, Mr. and Mrs. N. A. Kinney, Mr. and Mrs. George Nicoll, Mr. and Mrs. W. M. Taggart, Mrs. S. L. Baysinger, Mrs. Fanny Powell, Mrs. D. A. Bash, Mrs. J. L. Head, and Mrs. Wm. MacDonald.

Hon. and Frank H. Ferris, on behalf of the two little train bearers, Babette Gottschalk and Louise Barley, presented Mrs. Gardner with a gold M. S. M. pin.



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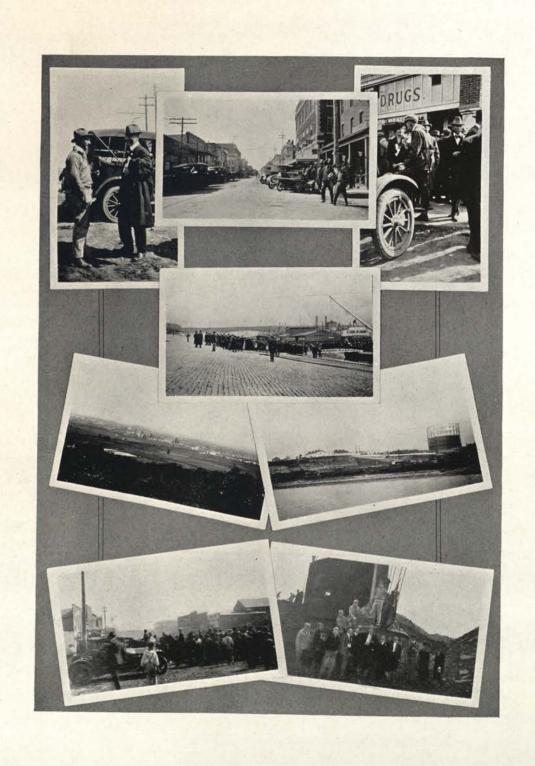
The Senior Trip

HE Senior trip—Never will it be forgotten by the '18 men. Compared to Senior trips of former classes it was very much out of the ordinary, being of rather short duration, and coming at an early date in the year. But it covered more territory, gave greater opportunities for inspection of engineering works and mining districts, and above all gave us the opportunity of having seen and associating with the very leader of our profession.

Many Senior trips of M. S. M. classes have exceeded in some respects all the trips which have preceded, but it remained for the class of '18 to establish a record in all respects. A trip with the A. I. M. E., and for this wonderful trip we are first indebted to the members of the faculty who conceived the idea of the Senior trip being taken in conjunction with the A. I. M. E., on their St. Louis—Joplin—Miami—Tulsa meeting. It is a fair of the wide-spread progressive attitude of the M. S. M. faculty. It is also due to the various committees of the A. I. M. E., to record however that not a detail was ommitted, which could contribute to the pleasure, convenience and comfort of the visiting members and guests.

The possibility of our taking our Senior trip with the A. I. M. E., was approached upon our return to school in September. Those few of us who were not already Junior members, immediately took the necessary steps to become so. And the result was, and is that every member of the '18 class is a Junior member of the A. I. M. E.

The members of one consisted of Dr. McRae, Dr. Cox, Prof. H. T. Mann, Prof. Clayton and the Senior class. Monday morning, October, found our party registering at the Planter's Hotel, St. Louis. From that moment on, it was one grand and glorious week, filled from one end to the other with technical sessions, inspection trips, banquets and receptions. At our beck and call were automobiles, special trains and even a Mississippi stern wheeler was pressed into service for our pleasure and convenience in taking the journey down to the Herculaneum Smelter.



The first Monday afternoon we had the honor and pleasure of being present at the Patriotic Meeting of the Institute, at which, addresses were given by members of the Institute and by a representative of each the French and Russian high commissions. This meeting was a high mass and very aptly expressed the sentiment and attitude of the Institute body.

After three days spent in St. Louis and vicinity we left on a special train for the Joplin Miami zinc district. We were very busily engaged in the zinc lead district until Friday noon when we left for Tulsa to visit the Oklahoma oil fields. Our only regret at this time was that we were proceeding into a desert like country and every minute were getting farther away from the Miners Wild West Bar, which was one of the feature entertainments at Joplin.

Saturday night, after a hot, dry, dusty trip through the oil fields, found the Seniors at Tulsa finally headed for Rolla. Everyone dead, dog-tired but vowing he had just finished the greatest week of his life.

For details and further information, we can refer the reader to the December Bulletin of the A. I. M. E.



Program

MONDAY, OCTOBER 8, 1917

- 9:00 A. M.—Registration at Headquarters, Planter's,
- 10:00 A. M.—Technical Sessions.
- 12:30 P. M.—Luncheon at Mercantile Club, given by Engineer's Club.
- 2:30 P. M.—Patriotic Meeting at Planter's.
- 7:00 P. M.—Dinner at Planter's.

TUESDAY

- 9:30 A. M.—Technical Sessions.
- 12:00 Noon-Boat trip to Herculaneum Smelter.
- 12:30 P. M.—Luncheon on boat.
- 2:00 P. M.—Session of War Minerals, Committee.
- 6:30 P. M.—Supper on boat.
- 8:00 P. M.—Social evening, dancing.
- 8:00 P. M.—Technical session.

WEDNESDAY

- 9:00 A. M.—Optional visit to coal mine, Nokomis, Ill.
- 9:30 A. M.—Optional visits to various St. Louis industries.
- 2:00 P. M.—Optional trip to Diesel Engineering plant.
- 2:00 P. M.—Technical Sessions.
- 4:00 P. M.—Reception at the residence of President and Mrs. Moore.
- 9:00 P. M.—Departure of special train for Joplin.

TUESDAY

- 7:00 A. M.—Visit steam shovels on Southeast Kansas coal field.
- 10:30 A. M.—Auto trip through sheet ground district, Webb City.
- 12:30 P. M.—Luncheon at American Davey Mines.
- 1:30 P. M.—Uunderground visits.
- 4:00 P. M.—Technical Sessions.
- 7:00 P. M.—Dinner at Connos, Social evening.

FRIDAY

- 7:30 A. M.—Breakfast at Blue Mound.
- 9:00 A. M.—Visit to mines and mills, Miami district.
- 1:30 P. M.—Departure from Miami to Tulsa, Okla.
- 4:30 P. M.—Visit to Cosden Oil Refinery, Tulsa.
- 6:30 P. M.—Banquet at Tulsa Hotel.
- 8:00 P. M.—Session on petroleum.

SATURDAY

- 7:00 A. M.—Leave Tulsa.
- 9:00 A. M.—Arrive at Oilton, auto ride through north end of Cushing Oil field.
- 12:00 P. M.—Luncheon at Drumright, auto ride through south end of Cush ing Oil field.
- 4:50 P. M.—Leave Ddpew.
- 6:30 P. M.—Arrive at Tulsa.
 - Arrive at Rolla.



1917-1918

SEPTEMBER

- 10—The Miners begin to come out from various dark holes in order to seek a semester's enlightenment.
- 11—We start cutting classes.
- 12—Football takes hold of us.
- 13—Dr. Daniels gets locked up. (In the library.)
- 14—Our first mass meeting of the year and our first experience with R. W. Linden.
- 15—Bill Durning begins his pilgrimages.
- 16—Fussing formally starts. Fresh embedded at the Fair Grounds.
- 17—Freshmen become "eight-minute" men and the Sophs put on a fine smoker.
- 18-Green and tin-covered domes, and a general perlessness are prevailent.
- 19—The student has failed to persue the text with sufficient diligence.
- 20—"Fat" Laun has blood in his eyebrows today.
- 21—"Scrub" Dawson gives us a fine talk at mass meeting.
- 22-Pryor disappears.
- 24—Duga and Starkey give Watermelon Party.
- 25—The Snipe-hunting season opens.
- 27—The Chinese Gov't, adopts our grading system.
- 28—The Faculty claims that hazing is abolished.
- 29—The Football squad is getting all the work it wants.

OCTOBER

- 1—Militarism starts.
- 2—Sr. Rauol Chavez returns from wild, wild Mexico.
- 3-A snipe-hunter has been out all night.
- 4—Theta Tau election.
- 5—The "Lindenwood Revival" tries to revive Puritanism in Rollie by insulting our mines.
- 7—The Seniors are taking in the St. Louis A. I. M. E. bust.
- 8-"Eddie Bone" gets back from Newburg.
- 10-A certain Freshman tries to drink up the swimming pool.
- 11-A local farmer almost shoots one of our soldiers.
- 13—The Miners trounce the Bluejays.
- 15-"Blue Monday" for the returning A. I. M. E.
- 16—Many lurid tales are told.
- 17—"Pijohs" is again a student.
- 18-Dr. Cox has begun to part his hair in the middle.

19-Tao rejoins us.

20-Arkansas-Miners game.

22-A few hardships encountered enroute to Meramec Springs.

23-A blissful holiday!

24—Red Cross Hallowe'en entertainment.

25—Guy, Ross and York get back from Fayetteville.

27-Miners-Marionville, 65-7.

30-Lyceum: The St. Claire Sisters. See Geib.



NOVEMBER

1-Rollamo dance very successful.

Big Pep meeting.

"Mike" Shanfeld receives Spillman Prize.

2-We all wait down in the Cut for that last 11 o'clock train.

3-Miners, 2; Washington U., 21.

5-Reluctantly we leave the city for the attractions of Rolla.

6—Bill Bailey oversleeps again.

7—Talk at mass meeting by red triangle offices.
8—Flag-raising ceremonial on our new flag-pole.

9—Professor Maness starts his second gang of mining labbists.

10-Freshmen put on a good smoker, but are not allowed to carry it out.

12-A Freshman has outrun Tubby Lottmann, apparently.

13—"The Dog" writes himself up.

14—Where are the Deckmeyer jokes?

15-Kit Morris is living out at the school mine.

16—Illustrated lecture on Italy by Dr. Daniels.

17—Miner-Drury game.

19-Maness gets wrinkled by two Freshmen.

20-We see "civilization."

21—Fred Lane's good machine has run out of contingent.

22—Our old tradition regarding khaki is no more. (?)

23—Dr. Barley reads at Mass Meeting.

24—Everybody is enlisting in something.

26—Everyone is alarmed because Short wears his night-clothes in the day

27—'21 discards green caps and puts on red paint.

28—Thanksgiving holiday.

29—All sorts of turkey and chicken stories begin to reach Rolla.

30-Dr. Gottschalk proves to be a very great orator, musician and artist, besides his other accomplishments.



DECEMBER

1—Prof. Dean springs a new joke.

3-Dr. Turner knocks his boys off. 4-Gill is new Junior Class head after Marston's enlistment.

6—Dreidel fails to ask Prof. Dunlop that usual silly question. 7-Faculty put on momentous mass meeting.

8—The Winter prevents our interclass Football games.

10—Sam Williams freezes a button.

11—The Navy gets many new recruits.

12—"Judge" gets wrinkled.

13—The Senior Banquet—Oh Boy!!

14—Burkhart and Schurer drink dry the municipal water trough.



15—Clayton (Boots) swipes a negro porter's white jacket.

17-We start wondering what we are to get for Xmas.

18-Mining Association Smoker, "Chief" Buehler talks.

19—The questionaires add to the student's troubles.

20—I. B. Johnston elected 1919 Football captain.

21-Happy Exodus to that old home town.

JANUARY

- 2—Cruel reality falls on us. We begin to break all but one of our New Year's Resolutions.
- 3—"Duke" attacts Shepherd. Weimer is wearing a tooth-brush.

4—Coach McConnel seems to have a wife.

5—Duga leaves us. Geib denies his matrimony.

7-Met. and Chem. Society meets.

8—Pete Stahl has a few new stories.

9-We get that final in Electrical Machinery, and we get it in the neck.

10—Kil Wilson has returned safely.

11—Finals haven't been abolished, after all.

12—We have the biggest service flag of any mining school.

15-Prof. Locke starts his lectures.

16-At last, we have the dope on Golick.

17—We make a cherry blage out of those uncalled for experiments.

18-Belknap and Scheisinger hit the town,

19—Much signing up for second semester.

21—Met. and Chem. Society entertained by Prof. Locke and Prof. Freude. Nichols is a fine hero again.

22—Dr. Freude addresses the first hour classes.

23—Dr. Barley keeps his Drama class in after school.

24—Ye 4th yearman trembling asks to glance at the grade book.

26—Miners, 32; St. Louis, 21. Chavez departs.

29-Bruce and Moore fight to a bloody draw.

30-Lecture: "Why France Held Fast."

31-Prof. Locke leaves us something to remember him by.

FEBRUARY

- 1—Prof. Mann and Housie prove the relative hardness of skull and concrete. (Variety culvert.)
- 2—Ground Hawg sees his shadow.

 The Tau Bates use comrades mail box for theirs.
- 4-Rumors leak out that Bruce is married.
- 5—Bill Durning (our first Mush) leaves us.
- 6-"Gusher" Goldsmith gets red ink written on his name.
- 7-Prof. Dake and Dr. McRae are both on the sick list.
- 8—Awarding of football sweaters.
 Lecture by Prof. Meadow of Drury.
 "The Lass of Limerick Town" scores a striking success.
- 9-We hear J. K. once more
- 12-"Materlink" Goldman learns that metallic sodium is hot.
- 13-Prof. Blackwood sends his boys some valentines via bulletin board.
- 14—Theta Tau banquet.
- 15-Drury wins by two points. Rollamo dance.
- 16—Another hard-fought Basketball game.
- 18-Met. and Chem. Society have feed.
- 19-"The Ne'er Do Well."
- 20—Election of 1919 Rollamo Board. Reber gets wrinkling.
- 22-Holiday. Miners play Central.
- 23—Some of the bums did not catch No. 7.
- 26—Senior Mining grades arrive.
- 27—We hear Dick Cooper's fog horn for a short time.





MARCH

- 4—The Seniors lose another man.
- 5—The upper-classman rookie squad (the Batallion of Death) decides to carry a small vial of C*H*OH in event of capture.
- 7—Lecture at mass meeting by Drury man.
- 11—We get our new hose (fire) wet at a fire near our campus.
- 12—Geology 13-b seems to spell bad luck.
- 13—Bowman alights from a freight training wrong side up.
- 14—A large and handsome contingent arrives on No. 9.
- 15—Mrs. Gardner as Queen, and McCarthy as St. Patrick, make our celebration a success.
- 16-Most of our loving guests depart.
- 18—Parker Hall again becomes attractive.
- 1)—An eminent metallurgist discovers how to burn carbon dioxide.
- 20—Prof. Blackwood opens season on the future precise manipulators.
- 21—Faculty gives tea party.
- 22—Joe Cole and Prof. Garrett design a mechanically perfect baby-carriage.
- 23—Prof. Dean and another Professor go fishing.
- 25—The Tau Bates get alarmed about the high marks made by the German "Guns."
- 26—Becky Dowd gets a shave, compliments of 1918.
- 27—Slover causes history to repeat itself.
- 28—The Economic Geology class gets fooled again.
- 29—Faculty put on another fine mass meeting.
- 30-"Snutz" Miller gets tennis fever and has fits.

APRIL

- 1—Many get April Fooled in intractably individual ways.
- 2—Nichols Potash Company ships its first unit of concentrates.
- 3-Fred Lane receives osteopathic treatment for getting on the grass.
- 4—Dr. Turner delivers lecture on Liquid Air.
- 5-Professor Maness unable to meet his classes.
- 6-Rackett does the Hundred in 10:1.



7—C. E. Christian Endeavor Society meets.

8—Noodleman gives a street parade to advertise the Munsing Co.
The Rollamo Board is the guest of its successor at a very entertaining Weenie Roast.

9—The Battalion of Death has bayonet practice.

10-Wilkinson plants a flower garden and starts a candy factory.



11—Zeuch is becoming a busy man.

12—Gill helps Kid Wilson do his last one at M. S. M.

13-The High School put on their annual play.

15—St. Louis A. I. M. E. meeting.

16—The Chemical Engineers return in a critical state.

17—The Trench Fever rages.

18—The Miner prepares its issue of "jokes."

19-War-relic train and lecture-in the rain.

20—Mundt is overtaken by the barbers of '18.

22-The gas-plant has its roof blown off again.

23—Alloys cosmopolitan class answers 73 questions.

24-"Oswald" departs.

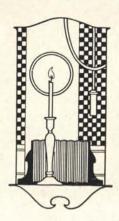
25—The Dramatists are forced to miss their supper.

26—Seniors lose Zoller and Maness.

27-Prof. Dickerson gets his derby hat wet.

29-OBYALSEHR Syrup Company organized by Oyler and Bash,

30-Isador Snipum Alberts declares April to be at an end.





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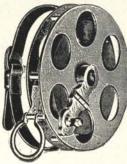
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